FUJIFILM

DIGITAL CAMERA



FinePix S3000

SERVICE MANUAL

US/CA/EU/EG/GE/AS/CH-MODEL

⚠ WARNING

- THE COMPONENTS IDENTIFIED BY THE MARK " ⚠ " ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR SAFETY. PLEASE REPLACE ONLY BY THE COMPONENTS SPECIFIED ON THE SCHE-MATIC DIAGRAM AND IN THE PARTS LIST.
- IF YOU USE PARTS NOT SPECIFIED, IT MAY RESULT IN A FIRE AND AN ELECTORICAL SHOCK.

FUJI PHOTO FILM CO.,LTD.

Ref.No.:ZM518-104
Printed in Japan 2004.08

SAFETY CHECK-OUT

After correcting the original problem, perform the following safety check before return the product to the costomer.

1. Check the area of your repair for unsoldered or poorly sol dered connections. Check the entire board surface for solder splasher and bridges.

2. Check the interboard wiring to ensure that no wires are “pinched” or contact high-wattage resistors.

3. Look for unauthorized replacement parts, particuarly tran sistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.

4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.

5. Check the B + voltage to see it is at the values specified.

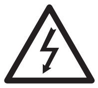
6. Make leakage - current measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

7. 

RISK OF FIRE-
REPLACE FUSE
AS MARKED

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 2.5 AMPERES 125V FUSE.

ATTENTION: AFIN D'ASSURER UNEPROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME, TYPE 2.5 AMPERES, 125 VOLTS.

8. 

WARNING!
HIGH VOLTAGE

WARNING:
TO REDUCE THE ELECTRIC SHOCK, BE CAREFUL TO TOUCH THE PARTS.

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1.General

1-1. Product specification

System

Model	Digital Camera FinePix S3000
Effective pixels	3.2 million pixels
CCD	1/2.7-inch square pixel CCD with RGB Filter Number of total pixels: 3.34 million pixels
Storage media	xD-Picture Card (16/32/64/128/256/512 MB)
File format	Still image: JPEG (Exif Ver.2.2), DPOF-compatible Movie: AVI format, Motion JPEG *Design rule for Camera File system compliant
Number of recorded pixels	2048 × 1536 pixels/1600 × 1200 pixels/1280 × 960 pixels/ 640 × 480 pixels
Lens	Fujinon 6 × optical zoom lens F2.8-F3
Focus length	f=6 mm-36 mm (equivalent to 38 mm-228 mm on a 35 mm camera)
Focal range	Normal: Approx. 80 cm/2.6 ft. to infinity Macro: Approx. 10 cm-80 cm/3.9 in.-2.6 ft.
Shutter speed	Auto/SP:1/4 sec. to 1/1500 sec. SP (Night scene mode only):3 sec. to 1/250 sec.Manual (A.priority):1/2 sec. to 1/1500 sec.
Aperture	F2.8/F4.8/F8.2 (Wide-angle) F3/F5.2/F8.7 (Telephoto) automatically selected
Sensitivity	At flash off:Equivalent to ISO 100 At flash on:Equivalent to ISO 100-200 (automatically selected)
Exposure control	64 zones TTL metering, Program AE (exposure compensation available in Manual mode)
White balance	Auto (7 positions selectable in Manual mode)
Viewfinder	0.33 inches 110,000 pixels electronic viewfinder
LCD monitor	1.8-inches, 62,000 pixels amorphous silicon TFT
Flash (Auto flash using flash control sensor)	Effective range: Wide Approx. 0.3 m-3.5 m (1.0 ft.-11.5 ft.) Tele Approx. 0.8 m-3.5 m (2.6 ft.-11.5 ft.) Flash modes: Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro, Red-Eye Reduction + Slow Synchro (when the pop-up flash is stowed: Suppressed Flash)
Self-Timer	Approx 10 sec. timer clock
Video output	NTSC/PAL selectable

■ **Standard number of available frames/recording time per xD-Picture Card**

The number of available frames, recording time or file size varies slightly depending on the subjects photographed. Note also that the divergence between standard number of available frames and the actual number of available frames is greater for xD-Picture Cards with higher capacities.

Quality mode	3M 3M	2M 2M	1M 1M	03M 0.3M	Movie 320	Movie 160
Number of recorded pixels	2048 × 1536	1600 × 1200	1280 × 960	640 × 480	320 × 240	160 × 120
Image Data Size	780 KB	630 KB	470 KB	130 KB	–	–
DPC-16 (16 MB)	19	25	33	122	Approx. 98 sec.	Approx. 5.6 min.
DPC-32 (32 MB)	40	50	68	247	Approx. 199 sec.	Approx. 11.3 min.
DPC-64 (64 MB)	81	101	137	497	Approx. 6.6 min.	Approx. 22.7 min.
DPC-128 (128 MB)	162	204	275	997	Approx. 13.3 min.	Approx. 45.5 min.
DPC-256 (256 MB)	325	409	550	1997	Approx. 26.7 min.	Approx. 91.2 min.
DPC-512 (512 MB)	651	818	1101	3993	Approx. 53.5 min.	Approx. 182.5 min.

Input/Output Terminals

Video output socket	2.5mm dia. jack
(USB) socket	For file transfer to a computer
DC Input	Socket for specified AC Power adapter AC-5VH/AC-5VHS (sold separately)

Power Supply and Others

Power supply	Use one of the following: • 4AA-size alkaline batteries • 4AA-size Ni-MH (Nickel-Metal Hydride) batteries (sold separately) • AC Power Adapter AC-5VH/AC-5VHS (sold separately)
Guide to the number of available frames for battery operation	(see table below)

Battery type	Using LCD monitor	Using EVF
Alkaline batteries	Approx. 350 frames*	Approx. 400 frames*
Ni-MH batteries 2100 mAh	Approx. 400 frames*	Approx. 450 frames*

*With fully charged battery

This indicates the number of available frames shot consecutively at room temperature with a flash use rate of 50%. Note that these figures may vary depending on the ambient temperature and the amount of charge in the battery. The number of available shots or available shooting time will be lower in cold conditions.

Conditions for use	Temperature: 0°C to +40°C (+32°F to +104°F); 80% humidity or less (no condensation)
Camera dimensions (W/H/D)	99.7 mm × 77.3 mm × 69.3 mm/3.9 in. × 3.0 in. × 2.7 in. (not including accessories and attachments)
Camera mass (weight)	Approx. 283 g/10.0 oz. (not including accessories, batteries or xD-Picture Card)
Weight for photography	Approx. 411 g/14.5 oz. (including batteries, xD-Picture Card, lens cap and strap)

Accessories

● 16MB, xD-Picture Card (1) Supplied with: Anti-static case (1)
● LR6 AA-size alkaline batteries (4) ● Adapter Ring (1)
● Lens Cap (1) ● Strap (1)
● Video cable (1) (plug (2.5 mm dia.) to pin-plug) Approx. 1.5 m
● USB Interface Set (1)
• CD-ROM: Software for FinePix SX (1)
• USB cable with Noise Suppression core (1)
• Quick start guide for Camera and Software installation (1)
● Owner's Manual (1)

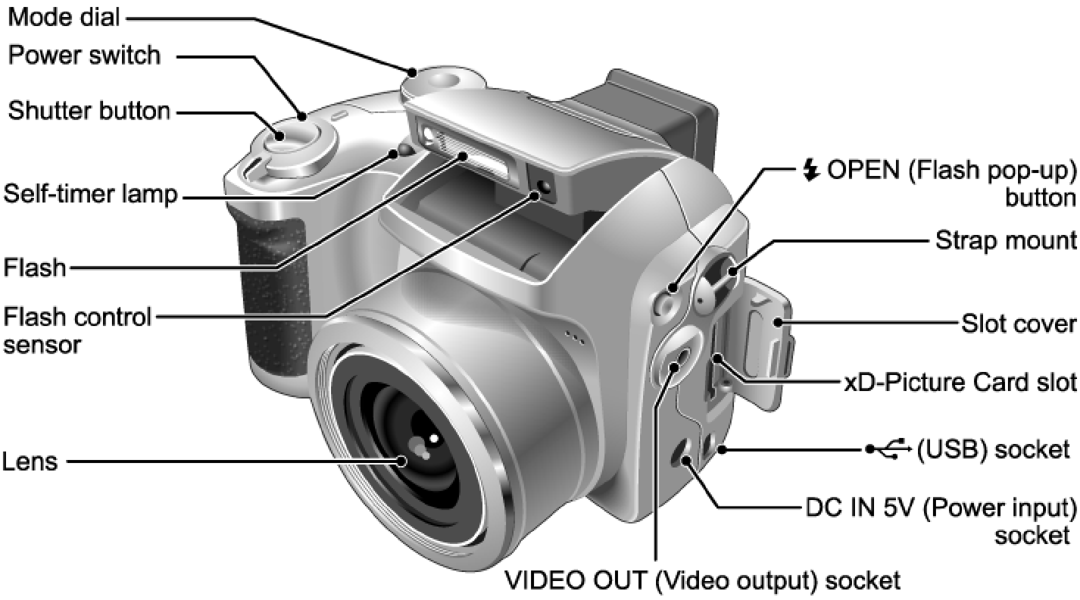
Optional Accessories

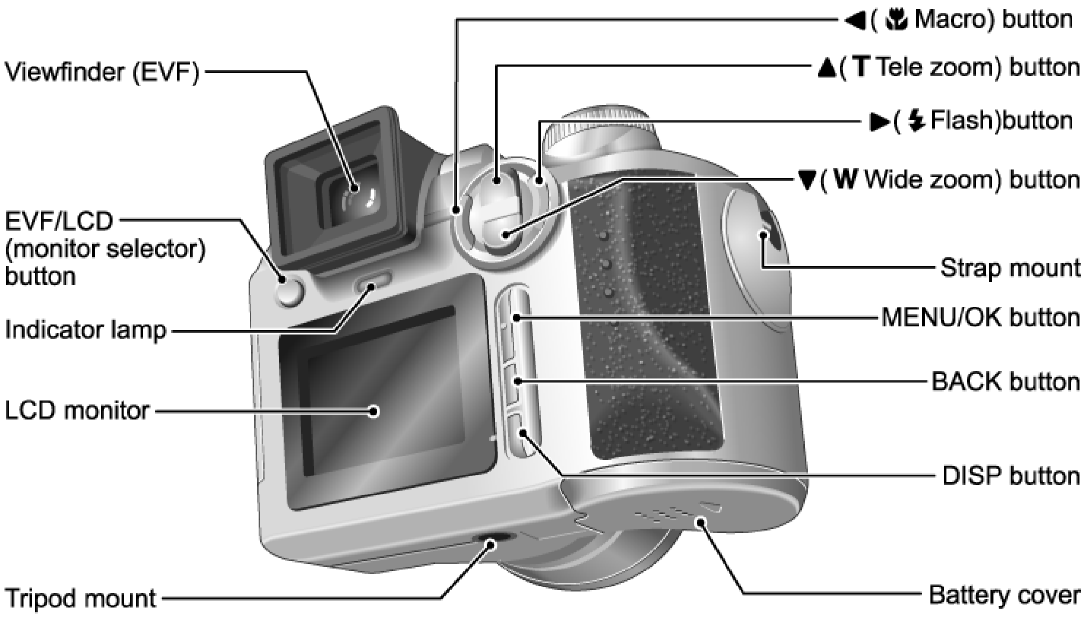
● xD-Picture Card
  DPC-16 (16 MB)/DPC-32 (32 MB)/DPC-64 (64 MB)/DPC-128 (128 MB)/ DPC-256 (256 MB)/DPC-512 (512 MB)
● AC Power Adapter AC-5VH/AC-5VHS
● Fujifilm Rechargeable Battery 2HR-3UF
● Fujifilm Battery charger with Battery BK-NH/BK-NH2
  (With Euro type or UK type plug) ● SC-FX304
● Image Memory Card Reader DPC-R1
  • Compatible with Windows 98/98 SE, Windows Me, Windows 2000 Professional, Windows XP or iMac, Mac OS 8.6 to 9.2.2, Mac OS X (10.1.2 to 10.2.2) and models that support USB as standard.
  • Compatible with xD-Picture Card of 16 MB to 512 MB, and SmartMedia of 3.3V, 4 MB to 128 MB.
● PC Card Adapter DPC-AD
  • Compatible with xD-Picture Card of 16 MB to 512 MB, and SmartMedia of 3.3V, 2 MB to 128 MB.
● CompactFlash Card Adapter DPC-CF
  • Windows 95/98/98 SE/Me/2000 Professional/XP
  • Mac OS 8.6 to 9.2/X (10.1.2 to 10.1.5)

1-2. Explanation of Terms

DPOF:	Digital Print Order Format DPOF is a format used for recording information on a storage media (image memory card, etc.) that allows you to specify which of the frames shot using a digital camera are printed and how many prints are made of each image.
EV:	A number that denotes exposure. The EV is determined by the brightness of the subject and sensitivity (speed) of the film or CCD. The number is larger for bright subjects and smaller for dark subjects. As the brightness of the subject changes, a digital camera maintains the amount of light hitting the CCD at a constant level by adjusting the aperture and shutter speed. When the amount of light striking the CCD doubles, the EV increases by 1. Likewise, when the light is halved, the EV decreases by 1.
Frame rate (fps):	The frame rate is a unit used to indicate the number of images (frames) played back per second. This camera shoots movie files at 10 consecutive frames per second, a rate that is expressed as 10 fps. By comparison, TV images are played at 30 fps.
JPEG:	Joint Photographics Experts Group A file format used for compressing and saving color images. The compression ratio can be selected, but the higher the compression ratio, the poorer the quality of the expanded image.
Motion JPEG:	A type of AVI (Audio Video Interleave) file format that handles images and sound as a single file. Images in the file are recorded in JPEG format. Motion JPEG can be played back by QuickTime 3.0 or later.
PC Card:	A generic term for cards that meet the PC Card Standard.
PC Card Standard:	A standard for PC cards determined by the PCMCIA.
PCMCIA:	Personal Computer Memory Card International Association (US).
White Balance:	Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance. A function that automatically matches the white balance is called an Automatic White Balance function.
Exif Print:	Exif Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.

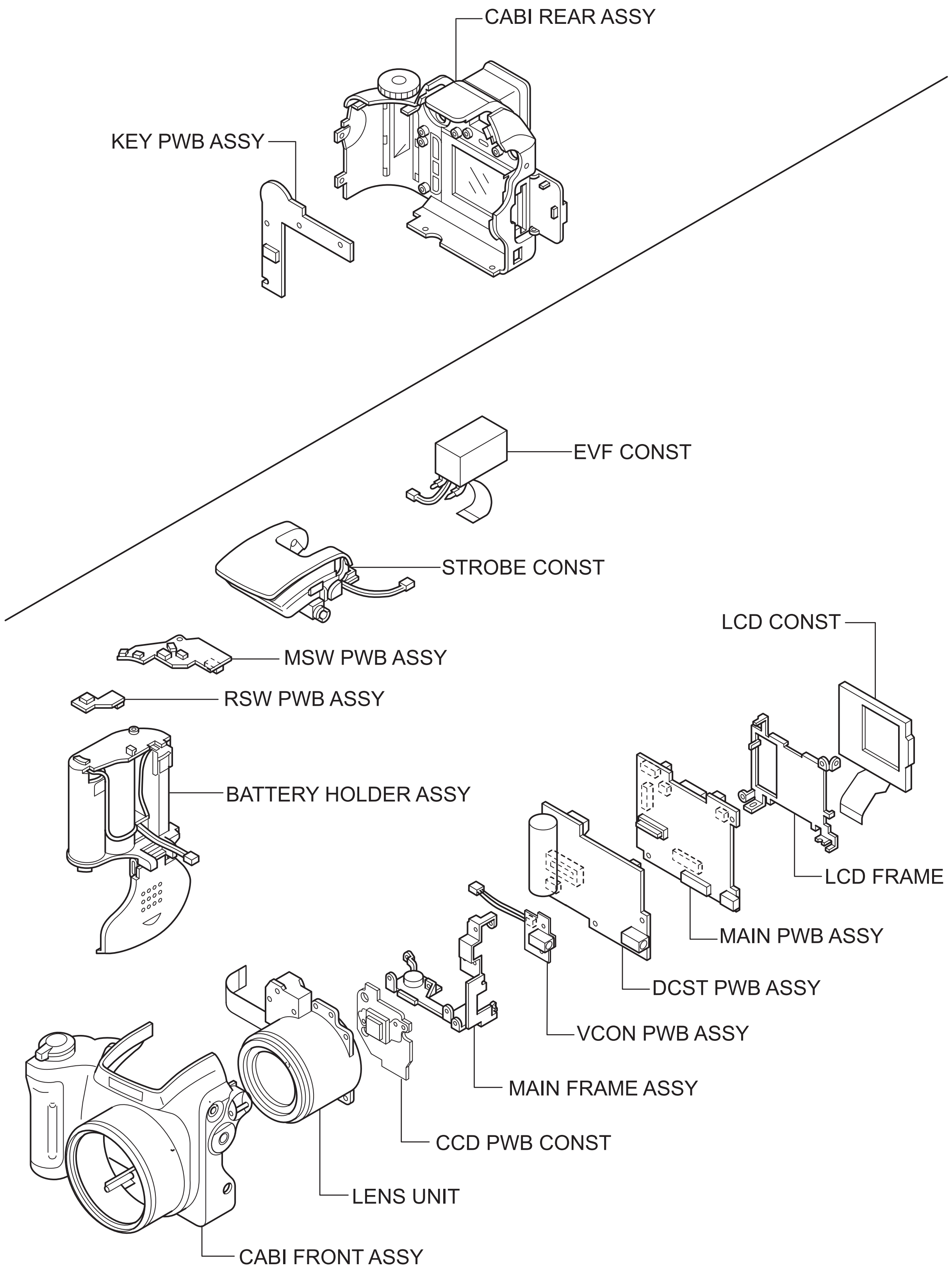
1-3.Names of External Components





2. Disassembly

2-1.Names of Internal Parts

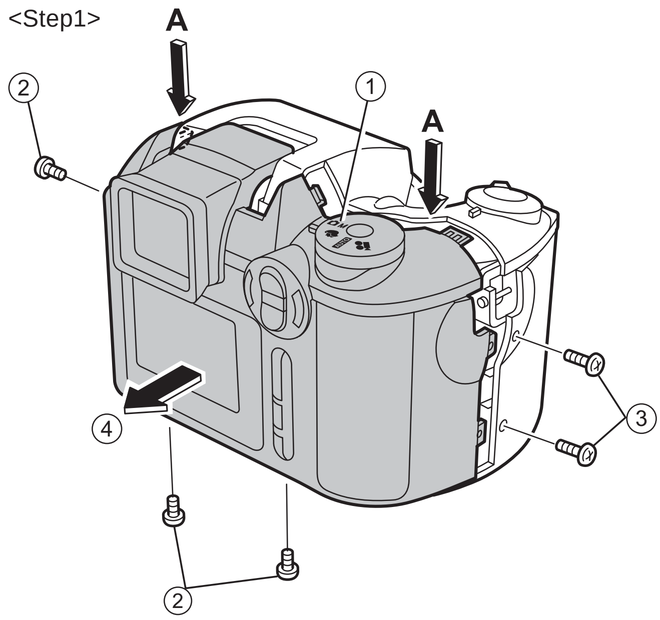


2-2.How to Disassemble the CABI R ASSY.

Remove in the order indicated by circled numbers.

(1) Change to the Manual camera mode.
(2) Remove three screws.
(3) Remove two special shape screws.(3ULR 1.5X5.0)
*Because the screws are special shape,use the exclusive use jig driver(ZJ00583-100).
(4) Remove CABI REAR while pressing part A in the direction of (3).

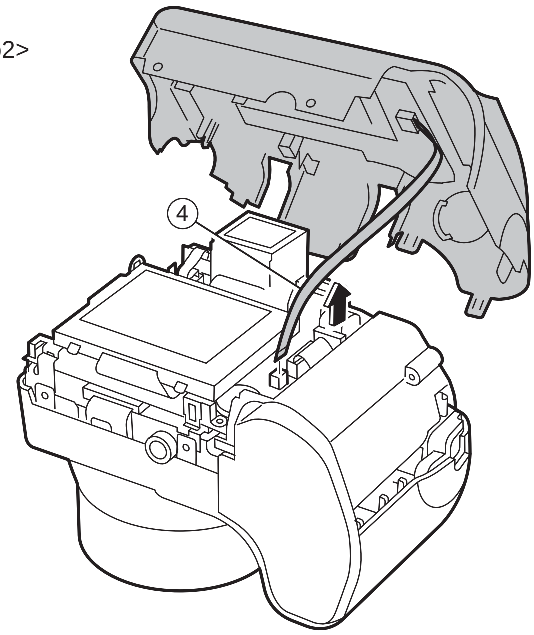
<Step1>



*Reassemble CABI REAR in the state of the Manual camera mode.

(4) Remove connector (CN800).

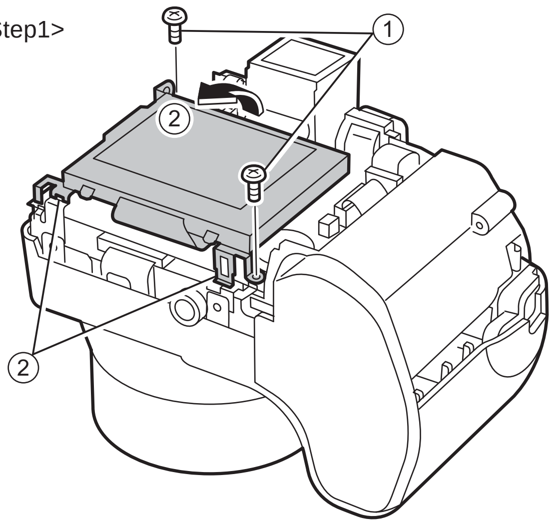
<Step2>



2-3.Removing LCD ASSY / LCD FRAME.

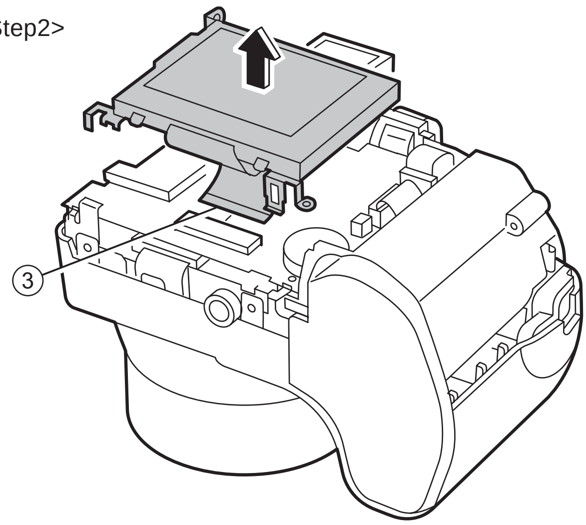
Remove in the order indicated by circled numbers.

<Step1>



(1) Remove two screws.
(2) Remove the hook of LCD FRAME (two places), and raise LCD ASSY in the direction of the arrow.

<Step2>

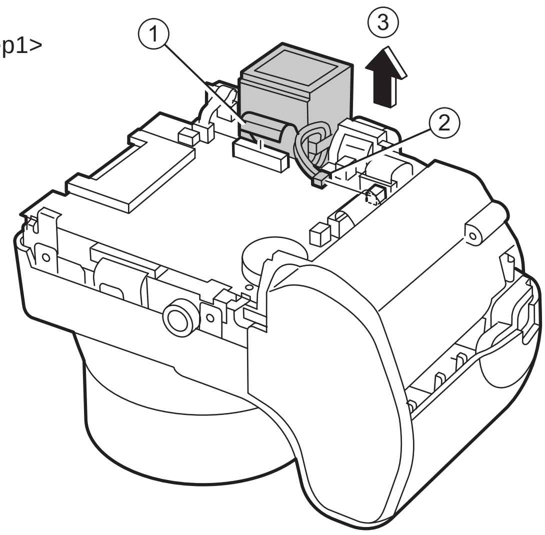


(3) Remove the lock of CN451, and remove LCD ASSY/LCD FRAME to the direction of the arrow.

2-4.Removing EVF CONST.

Remove in the order indicated by circled numbers.

<Step1>



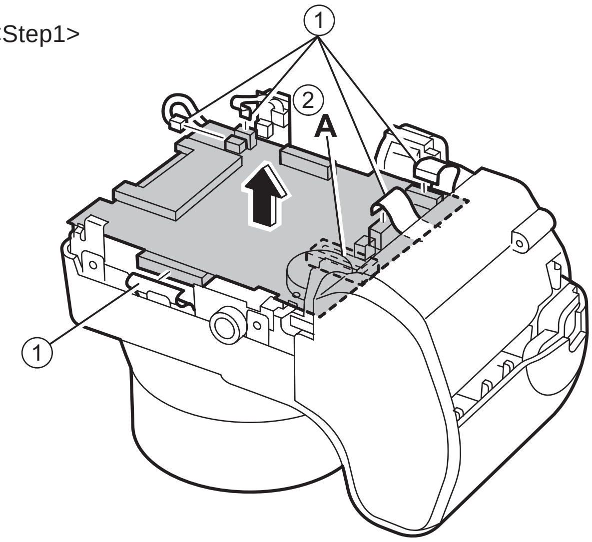
(1) Remove CN401.
(2) Remove CN402.
(3) Remove EVF CONST in the direction of the arrow.

2-5.Removing MAIN PWB ASSY.

Remove in the order indicated by circled numbers.

(1) Remove CN101 CN203, CN301, CN350and CN502.
(2) Remove MAIN PWB ASSY in the direction of the arrow while removing the connector in A part.

<Step1>



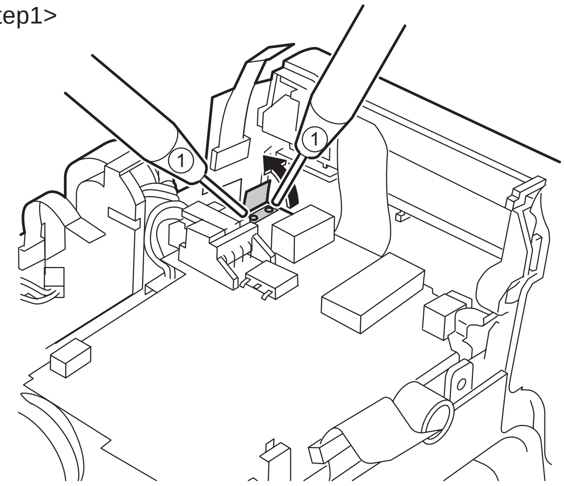
2-6.Removing BATTERY HOLDER ASSY.

Remove in the order indicated by circled numbers.

⚠ ⚠

(1) Peel off the UL tape, and do discharge.

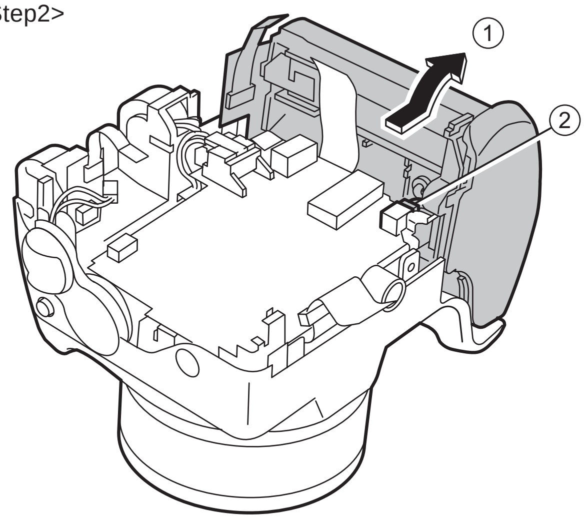
<Step1>



(note)
Make the power lever a turning off mode.
(1) Raise BATTERY HOLDER ASSY in the direction of the arrow.
(3) Remove CN601.

* Reassemble BATTERY HOLDER ASSY in the state of the power lever off.

<Step2>

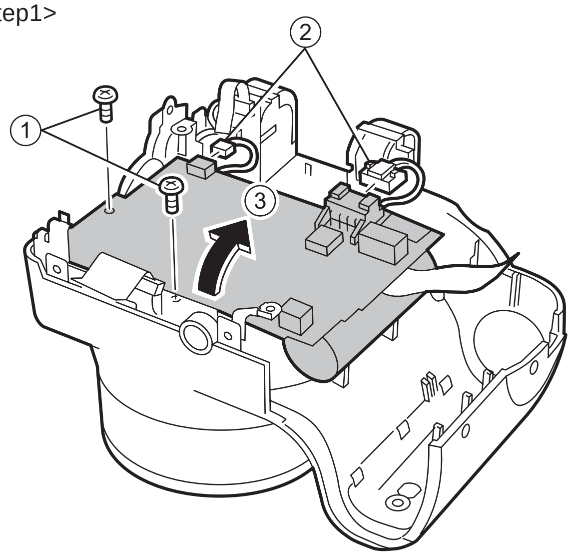


2-7.Removing DCST PWB ASSY.

Remove in the order indicated by circled numbers.

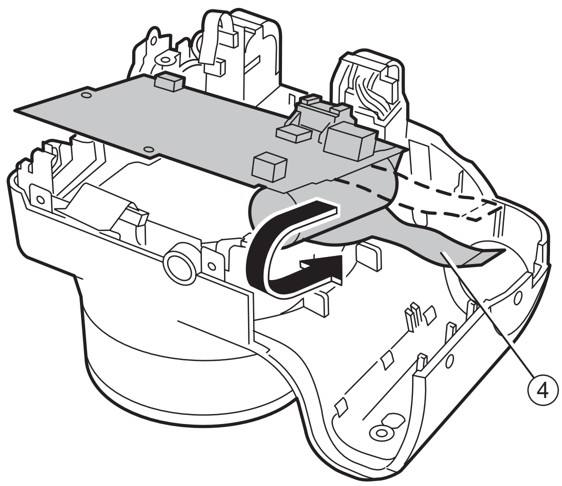
(1) Remove two screws.
(2) Remove CN701, CN702.
(3) Raise DCST PWB ASSY in the direction of the arrow.

<Step1>



(4) Remove FPC of LENS CONST in the direction of the arrow.

<Step2>

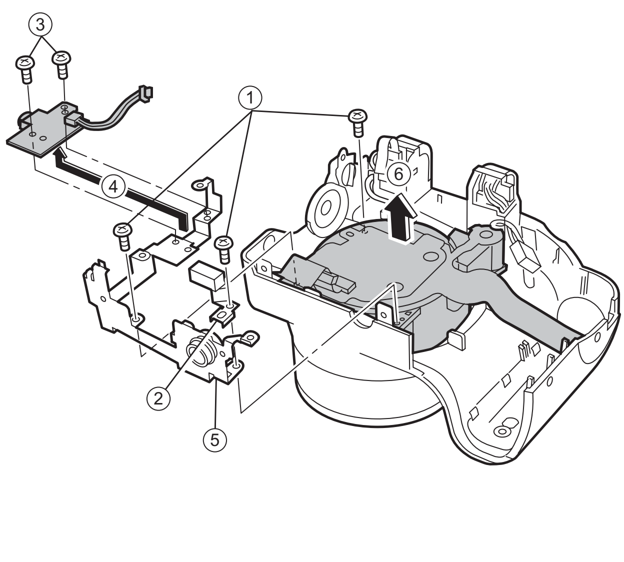


2-8.Removing LENS CONST.

Remove in the order indicated by circled numbers.

(1) Remove three screws.
(2) Remove CCD EARTH PLATE, EARTH PLATE.
(3) Remove two screws.
(4) Remove VCON PWB ASSY.
(5) Remove MAIN FRAME.
(6) Remove LENS CONST in the direction of the arrow.

<Step1>

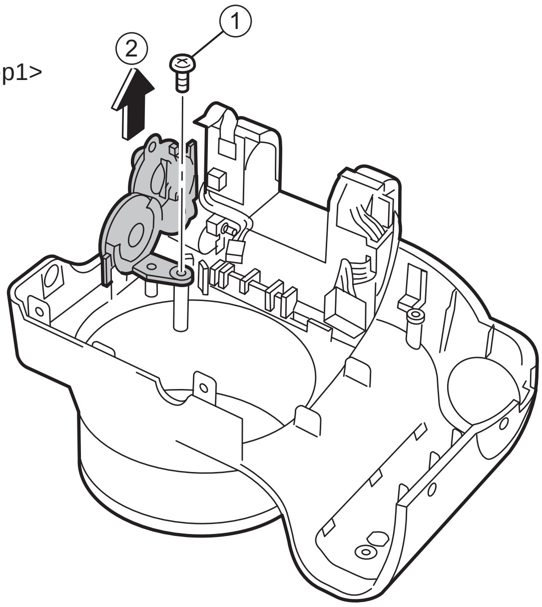


2-9.Removing STROBE CONST/ST TOP.

Remove in the order indicated by circled numbers.

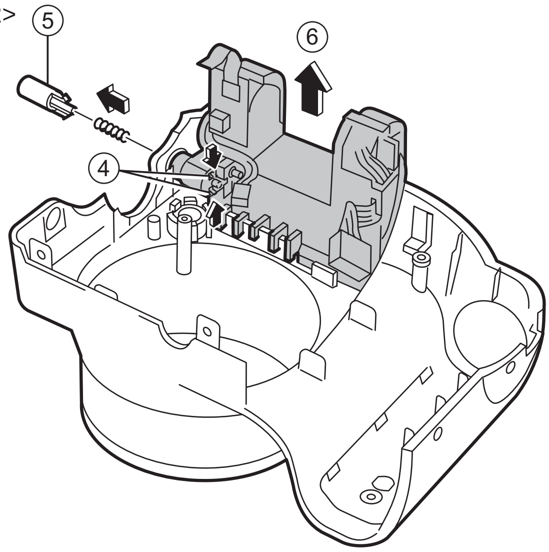
(1) Remove one screws.
(2) Remove STRAP BASE(R) in the direction of the arrow.

<Step1>



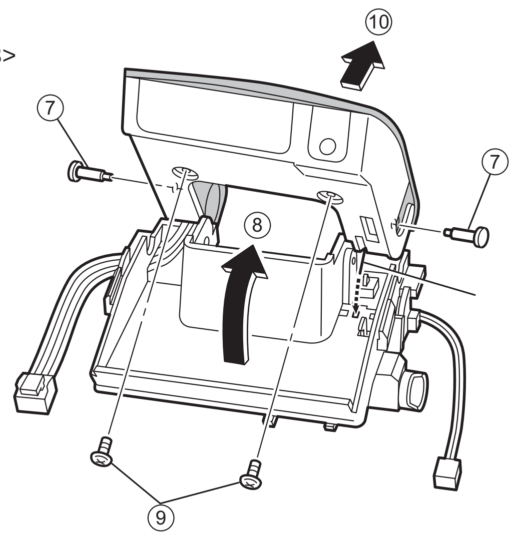
(4) Remove one screws.
(5) Remove the hook of ST BUTTON, and pull out ST BUTTON in the direction of the arrow.
(6) Remove STROBE CONST in the direction of the arrow.

<Step2>



(7) Pull out two ST SHAFT.
(8) STOROBE must improve in pop-up.
(9) Remove two screws.
(10) Remove ST TOP in the direction of the arrow.

<Step3>

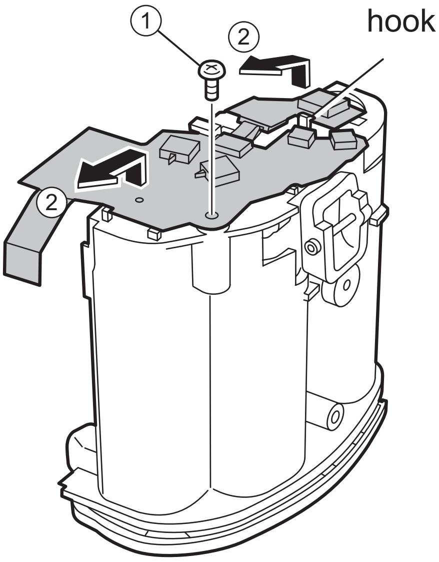


2-10.Removing MSW PWB ASSY and RSW PWB ASSY.

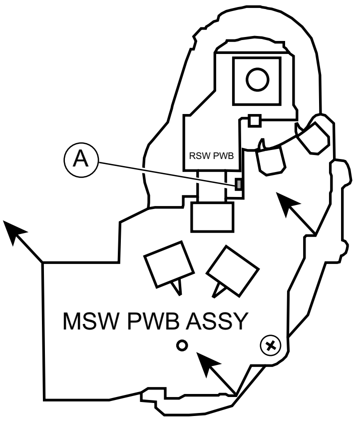
Remove in the order indicated by circled numbers.

(1) Remove one screw.
(2) Remove the hook of BATTERY HOLDER, and remove RSW PWB ASSY and MSW PWB ASSY.

<Step1>



* Tighten the screw while joining MSW PWB ASSY to (A), and confirm the thing which MSW PWB ASSY and (A) are fit.

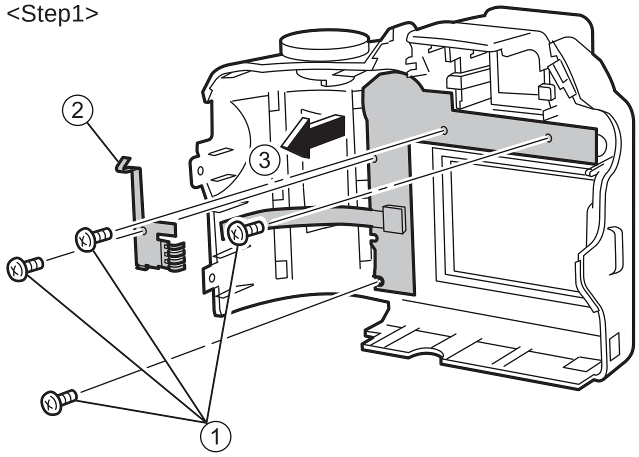


2-11.Removing KEY PWB ASSY.

Remove in the order indicated by circled numbers.

(1) Remove four screws.
(2) Remove EARTH PLATE.
(3) Remove KEY PWB ASSY in the direction of the arrow.

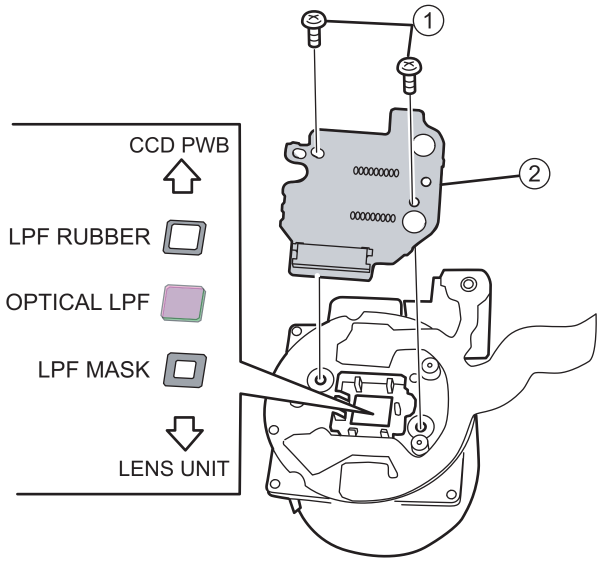
<Step1>



2-12.Removing CCD PWB CONST

Remove in the order indicated by circled numbers.

(1) Remove tow screw.
(2) Remove the hook of CCD PWB CONST.



[Attention when Reassemble.]

Set it in the mount of the lens in order of the LPF mask, LPF, and LPF rubber.

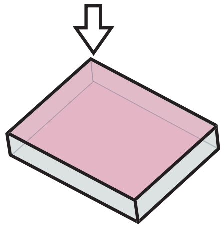
When reassembling parts, be careful dust is not adhering to the CCD, optical LPF or lens.

Install the optical low-pass filter so that the IR cut-coated surface is on the CCD side.

Set CCD PWB CONST in the lens, draw to the upper part of the left, and tighten the machine screw. (Torque14kg/cm+-0.1kg/cm)

[How to Identify the IR Cut-coated Surface]

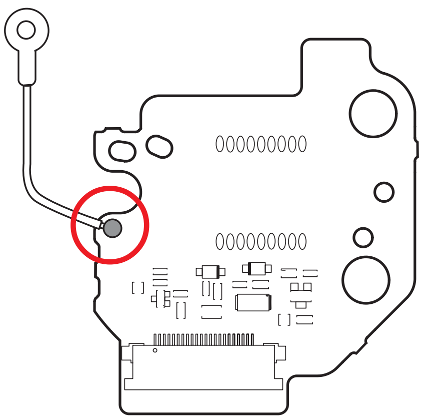
If the reddish reflection is to the front when light is reflecting off the surface of the optical low-pass filter, this front end is the IR cut-coated surface.



[Attention when CCD PWB CONST is exchanged.]

Solder the WIRE HARNESS with new parts when you ex change CCD PWB CONST.

Cover the solder part by the UL bond.(SC-608Z : FS00095-100)



2-13.Location of Sheet parts.

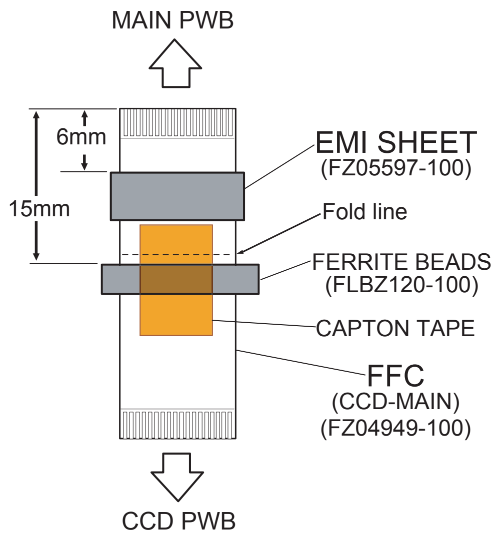
2-13-1.FFC (CCD-MAIN)

FERRITE BEADS fixed to FFC.
Position at 15mm from MAINPWB side.

[Note]

Do not exceed Fold-Line of FFC.

EMI SHEET fixed to FFC.
Position at 6mm from MAINPWB side.
Match Fold-Line of EMI-SHEET to the left of FFC and paste it.



3. Circuit Diagrams

3-1.Cautions

Precautions in parts replacement

Do not reuse detached electronic components. Use only new components.

The negative side of tantalum capacitors is weak against heat. Handle with care.

With the exception of Chemical capacitor and tantalum capacitors, the voltage of capacitors of a 50V or lower withstand voltage is not labeled.

Unless specified, electronic component resistance is 1/16W.

KΩ = 1000Ω , MΩ = 1000 KΩ

3.2 Names and Functions of Basic Blocks

Board Name	**Block name**	**Function**
CCD PWB CONST	CCD BLOCK	* CCD output
MAIN PWB ASSY	CAM BLOCK	* Analog to digital conversion of CCD output(IC102) * CCD driver(IC101)
	MOTOR BLOCK	* Zoom/AF/shutter/iris drive(IC301)
	POWER ON BLOCK	* Power supply management(IC352)
	EVF BLOCK	* EVF control(IC403)
	AUDIO BLOCK	* Audio signal processing(IC501)
	PROCESS BLOCK	* USB communication(IC202) * System control/SW detection management(IC202)
	LCD BLOCK	* LCD relay circuit
DCST PWB ASSY	DCDC BLOCK	* Each power supply generation(IC601)
	FlashBLOCK	* Flash luminescence processing(IC702)
MSW PWB ASSY	MSW BLOCK	* Operation SW(power supply/mode)
RSW PWB ASSY	RSW BLOCK	* Operation SW(shutter)
KEY PWB ASSY	KEY BLOCK	* Operation SW(EVF<->LCD/display/U<->D/cancellation/L<->R/OK)
VCON PWB ASSY	VCON BLOCK	* VIDEO(NTSC/PAL) output

3-3.Explanation of Functions of Important Blocks

3-3-1.Technical Overview

The FinePix S3000 incorporates a 1/2.7 -inch square pixel, primary color interline CCD of 3.34 million pixels(total).
An **[xD picture card]** is adopted as the recording media.
Change point from S304/3800.
ICs are the **[ACS2 (IC102)]** for CCD processing, **[KEY IC (IC800)]** that incorporates power supply management capabilities into operation system processing, and system LSI **[XCS (IC203)]** that pakeged signal processing, LCD drive, V-TG functions.
Lose related parts of the microphone and the speaker of S304/3800. **Video-out (NTSC/PAL)** is added.

3-3-2.Explanation of Functions of Individual Blocks

(1) CCD Signal Processing/Picture-taking Blocks (CCD BLOCK and CAM BLOCK)

■ The analog signals output by the CCD (1/2.7 square pixel, primary color interline CCD of 3.34 million pixels[total] [IC172]) undergo color compensation, adaptive interpolation, amplification (ACG) and signal mixing in the **[ACS2 (IC102)]** CCD signal processing IC. After that, the signals are converted into 12-bit digital signals and sent to the **[XCS (IC203)]** system LSI.

■ This block has a vertical drive IC (IC101) for driving the CCD.

(2) Motor Block (MOTOR BLOCK)

■Upon receiving commands from operating switches, the **[XCS (IC203)]** signal processing LSI manages the motor drive IC (IC301) so as to control the motors for AF, shutter, zoom and iris.

(3) Image Signal Processing Block (PROCESS BLOCK)

■Input Data from the CCD

The 10-bit digital image data (equivalent to 1H) output by the image unit (CCD/CAM BLOCK) is sent to the **[XCS (IC203)]** system LSI. It is here converted into 32-bit (16-bit x 2) data by the internal buffer of the LSI, and image data of 2048 x 1536 pix per frame is temporarily stored in the **[SDRAM (IC202 256 Mbit X16)]** of the LSI.

Also, the 32-bit image data input to this LSI is used for calculations by the [auto calculation unit] and sent to the **[ACS2 (IC102)]** CCD processing IC of the CAM BLOCK so as to obtain a suitable AE, AWB and AF.

■ Recording Processing to the xD Card

The image data stored in the **[SDRAM (IC202 256 Mbit X16)]** of the **[XCS (IC203)]** system LSI is sent to the signal processing block one line at a time where it undergoes unpack processing (32-bit >> 10-bit conversion, processing required prior to digital clamping, (compensation, 10-bit >> 8-bit R/G/B conversion) and YC processing (8-bit digital R/G/B signal >> Y:Cb:Cr = 4:2:2). The 8-bit Y/Cb/Cr data is then sent to the [internal buffer]. In the [internal buffer], data is arranged in a format that is easy to convert the 8-bit Y/Cb/Cr data into DCT. After going through the [JPEG calculation unit] and the [media controller], it is recorded on the xD card.

■ Image Reproduction from the xD Card

The compressed image data from the xD card is sent to the **[XCS (IC203)]** system LSI as 8-bit image data. It is then sent to the [media control unit] >> [DRAM unit] >> [SDRAM (IC202 256 Mbit X16)] >> [media controller] >> [JPEG calculation unit] >> [signal processing unit]. The [signal processing unit] does the post-processing of converting the 8-bit Y/Cb/Cr signals into 8-bit R/G/B signals. At the same time, it weighs the text display signal and displays the text on the LCD UNIT via the [LCD controller].

■ Picture-taking system adjustment data is stored in the FLASH ROM (IC204).

(4) LCD UNIT

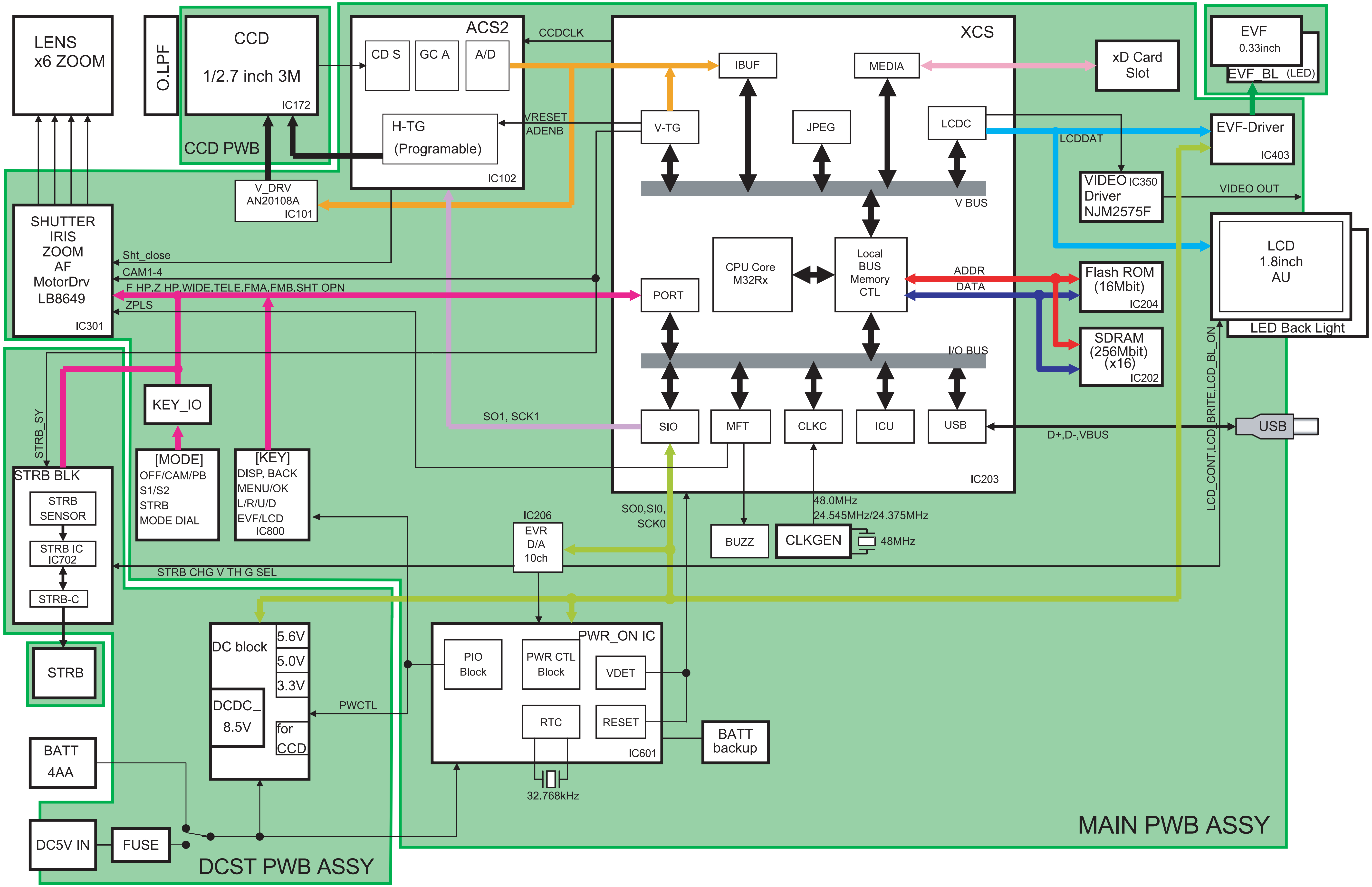
The digital signal sent from the **[XCS (IC203)]** system LSI is sent to the drive IC of the LCD UNIT via the processing unit on the LCD FPC of the LCD UNIT, where [LCD drive] and [LCD panel tonal control] are performed.

(5) Power Supply Block (DCDC BLOCK)

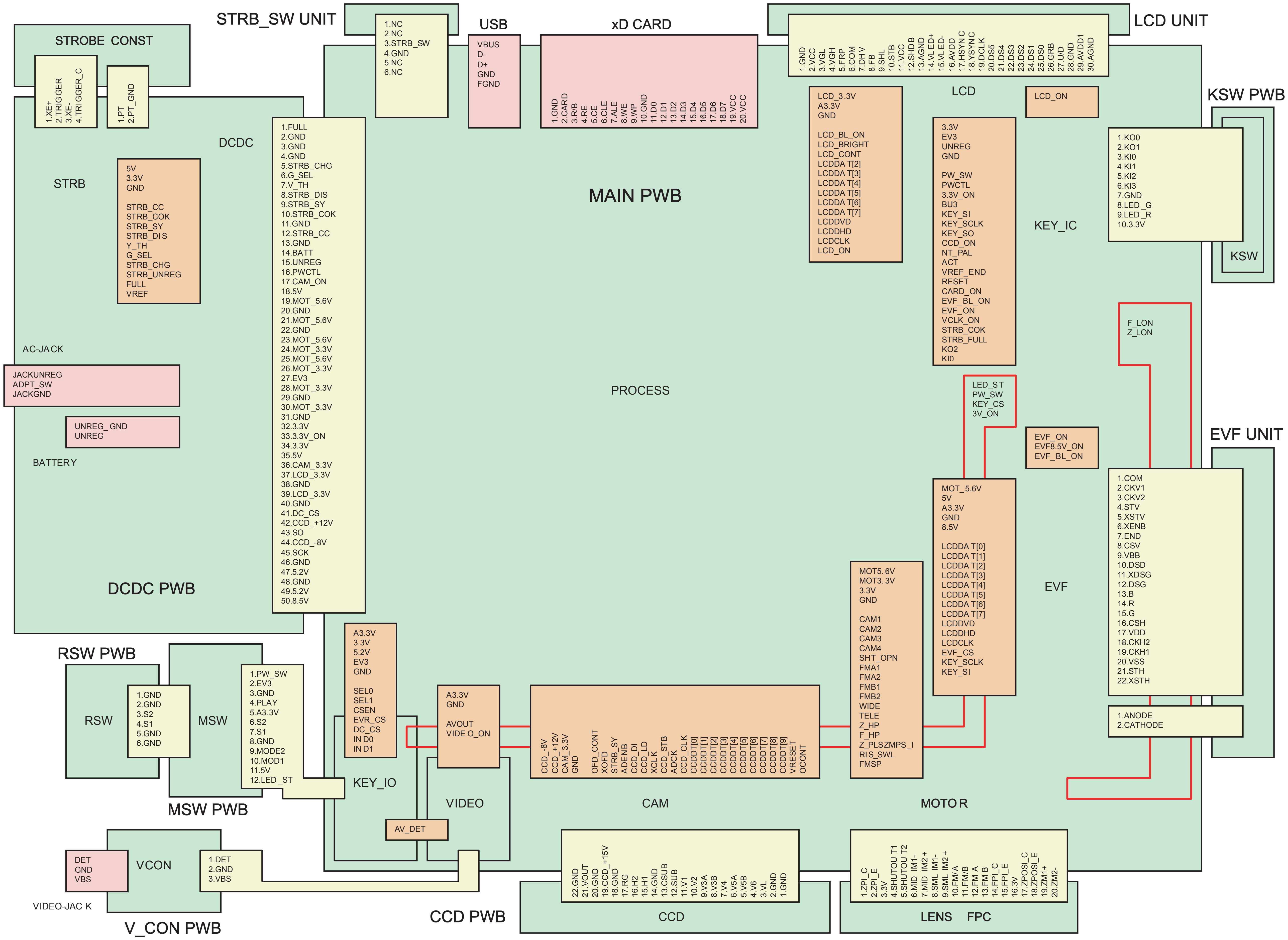
The power supply block is built around the DC IC (IC601). It generates the below power supplies and supplies them to the individual blocks.

5 V	[(IC501), EVF-Drv(IC403), STRB IC (IC702),]
3.3 V	[XCS (IC203), ACS2 (IC102), V-Drv (IC101), FLASH ROM (IC204), STRB IC (IC702), MOTOR Drv (IC301), SDRAM(IC202), KEY IC (IC800), KEY IO(IC501/502), xD Picture Card, MAIN PWB, KSW PWB,MSW PWB]
EV3	[MAIN PWB, KEY IC (IC800)]
A3.3V	[XCS (IC203), VIDEO Drv (IC350), CLK GEN (IC201), EVR (IC206), EVF-Drv(IC403), MAIN PWB, MSW PWB, LCD]
12 V	[CCD (IC172), V Drv (IC101)]
-8 C	[CCD (IC172), V Drv (IC101)]

3-4.Block Diagram



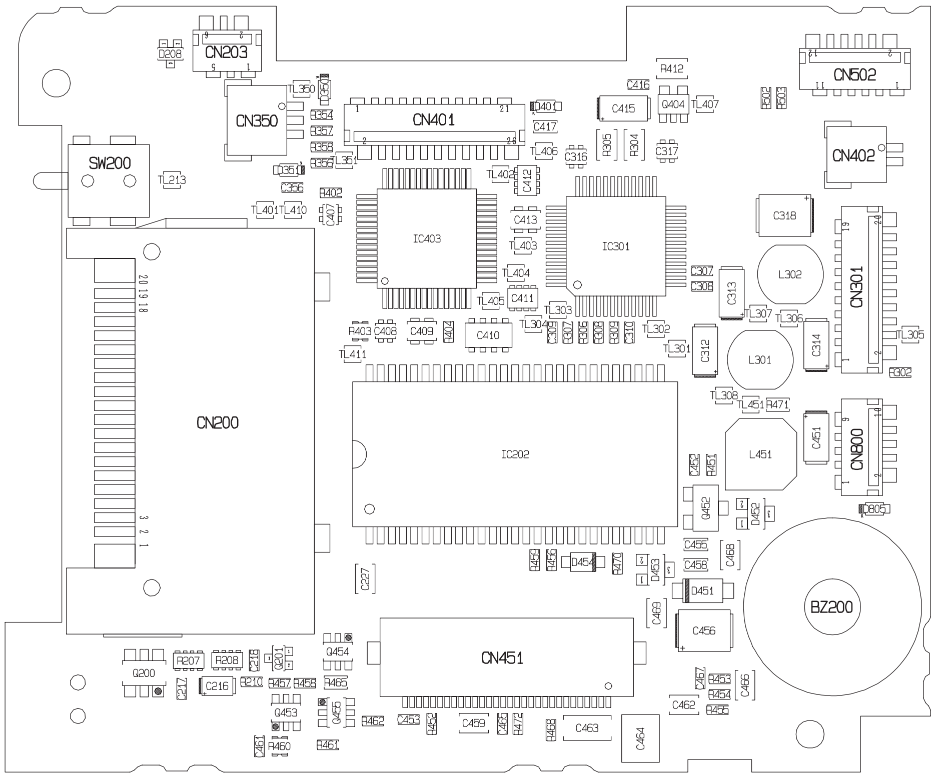
3-5.Overall


STROBE CONST
1.XE+
2.TRIGGER
3.XE-
4.TRIGGER_C
1.PT
2.PT_GND
STRB_SW UNIT
1.NC
2.NC
3.STRB_SW
4.GND
5.NC
6.NC
USB
VBUS
D-
D+
GND
FGND
xD CARD
1.GND
2.CARD
3.R/B
4.RE
5.CE
6.CLE
7.ALE
8.WE
9.WP
10.GND
11.D0
12.D1
13.D2
14.D3
15.D4
16.D5
17.D6
18.D7
19.VCC
20.VCC
LCD UNIT
1.GND
2.VCC
3.VGL
4.VGH
5.FRP
6.COM
7.DHV
8.FB
9.SHL
10.STB
11.VCC
12.SHDB
13.AGND
14.VL ED+
15.VL ED-
16.AVDD
17.HSYNC
18.YSYNC
19.DCLK
20.DS5
21.DS4
22.DS3
23.DS2
24.DS1
25.DS0
26.GRB
27.U/D
28.GND
29.AVDD1
30.AGND
DCDC
STRB
5V
3.3V
GND
STRB_CC
STRB_COK
STRB_SY
STRB_DIS
Y_TH
G_SEL
STRB_CHG
STRB_UNREG
FULL
VREF
1.FULL
2.GND
3.GND
4.GND
5.STRB_CHG
6.G_SEL
7.V_TH
8.STRB_DIS
9.STRB_SY
10.STRB_COK
11.GND
12.STRB_CC
13.GND
14.BATT
15.UNREG
16.PWCTL
17.CAM_ON
18.5V
19.MOT_5.6V
20.GND
21.MOT_5.6V
22.GND
23.MOT_5.6V
24.MOT_3.3V
25.MOT_5.6V
26.MOT_3.3V
27.EV3
28.MOT_3.3V
29.GND
30.MOT_3.3V
31.GND
32.3.3V
33.3.3V_ON
34.3.3V
35.5V
36.CAM_3.3V
37.LCD_3.3V
38.GND
39.LCD_3.3V
40.GND
41.DC_CS
42.CCD_+12V
43.SO
44.CCD_-8V
45.SCK
46.GND
47.5.2V
48.GND
49.5.2V
50.8.5V
AC-JACK
JACKUNREG
ADPT_SW
JACKGND
UNREG_GND
UNREG
BATTERY
DCDC PWB
MAIN PWB
PROCESS
LCD
LCD_3.3V
A3.3V
GND
LCD_BL_ON
LCD_BRIGHT
LCD_CONT
LCDDA T[2]
LCDDA T[3]
LCDDA T[4]
LCDDA T[5]
LCDDA T[6]
LCDDA T[7]
LCDDVD
LCDDHD
LCDCLK
LCD_ON
LCD_ON
3.3V
EV3
UNREG
GND
PW_SW
PWCTL
3.3V_ON
BU3
KEY_SI
KEY_SCLK
KEY_SO
CCD_ON
NT_PAL
ACT
VREF_END
RESET
CARD_ON
EVF_BL_ON
EVF_ON
VCLK_ON
STRB_COK
STRB_FULL
KO2
KI0
KEY_IC
KSW PWB
1.KO0
2.KO1
3.KI0
4.KI1
5.KI2
6.KI3
7.GND
8.LED_G
9.LED_R
10.3.3V
KSW
F_LON
Z_LON
LED_ST
PW_SW
KEY_CS
3V_ON
EVF_ON
EVF8.5V_ON
EVF_BL_ON
EVF UNIT
MOT_5.6V
5V
A3.3V
GND
8.5V
LCDDA T[0]
LCDDA T[1]
LCDDA T[2]
LCDDA T[3]
LCDDA T[4]
LCDDA T[5]
LCDDA T[6]
LCDDA T[7]
LCDDVD
LCDDHD
LCDCLK
EVF_CS
KEY_SCLK
KEY_SI
EVF
1.COM
2.CKV1
3.CKV2
4.STV
5.XSTV
6.XENB
7.END
8.CSV
9.VBB
10.DSD
11.XDSG
12.DSG
13.B
14.R
15.G
16.CSH
17.VDD
18.CKH2
19.CKH1
20.VSS
21.STH
22.XSTH
1.ANODE
2.CATHODE
MOT5.6V
MOT3.3V
3.3V
GND
CAM1
CAM2
CAM3
CAM4
SHT_OPN
FMA1
FMA2
FMB1
FMB2
WIDE
TELE
Z_HP
F_HP
Z_PLSZMPS_I
RIS_SWL
FMSP
MOTOR
RSW PWB
RSW
1.GND
2.GND
3.S2
4.S1
5.GND
6.GND
MSW
1.PW_SW
2.EV3
3.GND
4.PLAY
5.A3.3V
6.S2
7.S1
8.GND
9.MODE2
10.MOD1
11.5V
12.LED_ST
MSW PWB
A3.3V
3.3V
5.2V
EV3
GND
SEL0
SEL1
CSEN
EVR_CS
DC_CS
IN D0
IN D1
KEY_IO
A3.3V
GND
AVOUT
VIDE O_ON
VIDEO
AV_DET
CCD_-8V
CCD_+12V
CAM_3.3V
GND
OFD_CONT
XOFD
STRB_SY
ADENB
CCD_DI
CCD_LD
XCLK
CCD_STB
ADCK
CCD_CLK
CCDDT[0]
CCDDT[1]
CCDDT[2]
CCDDT[3]
CCDDT[4]
CCDDT[5]
CCDDT[6]
CCDDT[7]
CCDDT[8]
CCDDT[9]
VRESET
OCONT
CAM
DET
GND
VBS
VCON
1.DET
2.GND
3.VBS
VIDEO-JAC K
V_CON PWB
CCD PWB
22.GND
21.VOUT
20.GND
19.CCD_+15V
18.GND
17.RG
16.H2
15.H1
14.GND
13.CSUB
12.SUB
11.V1
10.V2
9.V3A
8.V3B
7.V4
6.V5A
5.V5B
4.V6
3.VL
2.GND
1.GND
CCD
1.ZPI_C
2.ZPI_E
3.3V
4.SHUTOU T1
5.SHUTOU T2
6.MID IM1-
7.MID IM2+
8.SML IM1-
9.SML IM2+
10.FM/A
11.FM/B
12.FM A
13.FM B
14.FPI_C
15.FPI_E
16.3V
17.ZPOSI_C
18.ZPOSI_E
19.ZM1+
20.ZM2-
LENS FPC

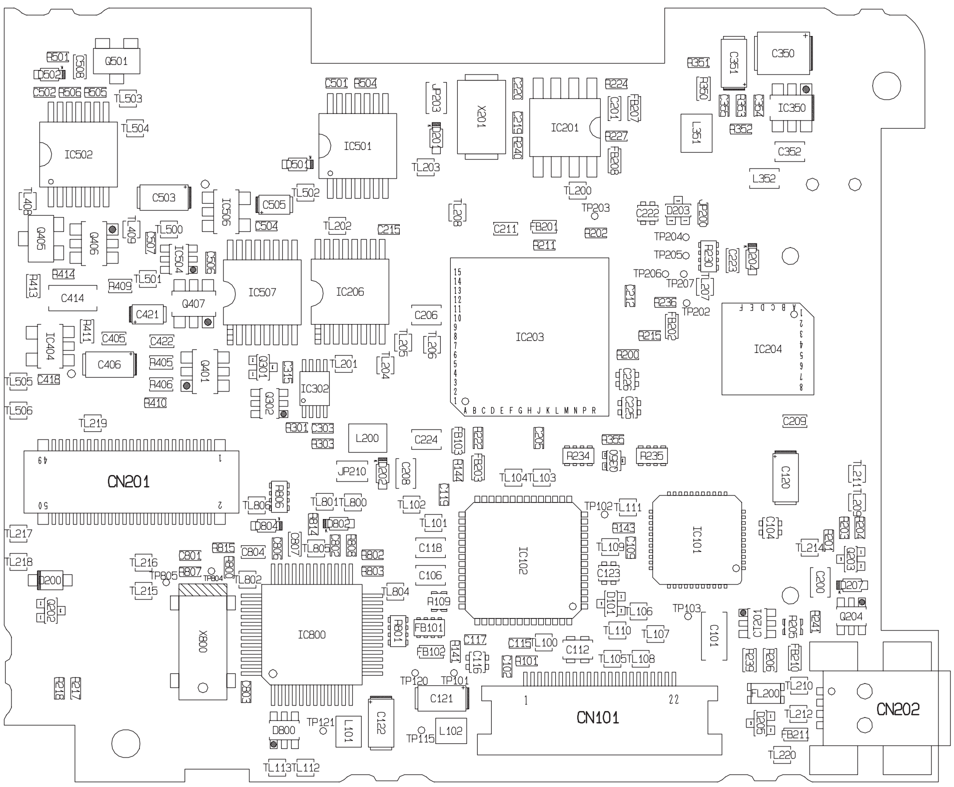
3-6.Mounted Parts Diagrams

3-6-1.MAIN PWB ASSY Component Location

<SIDE-A>

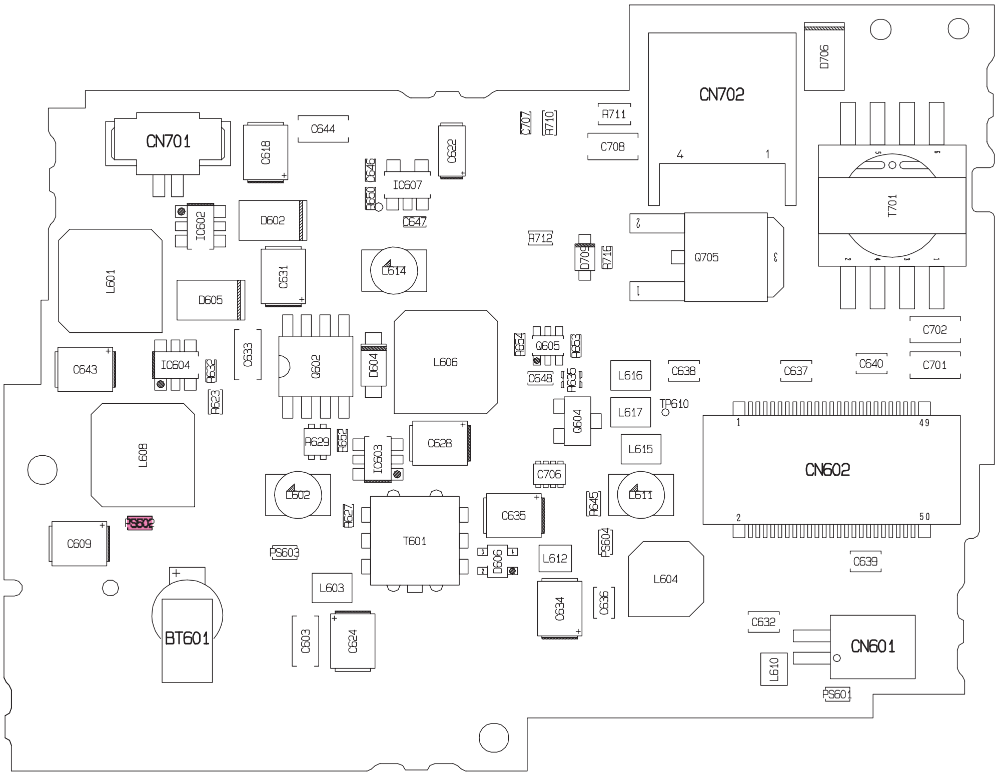


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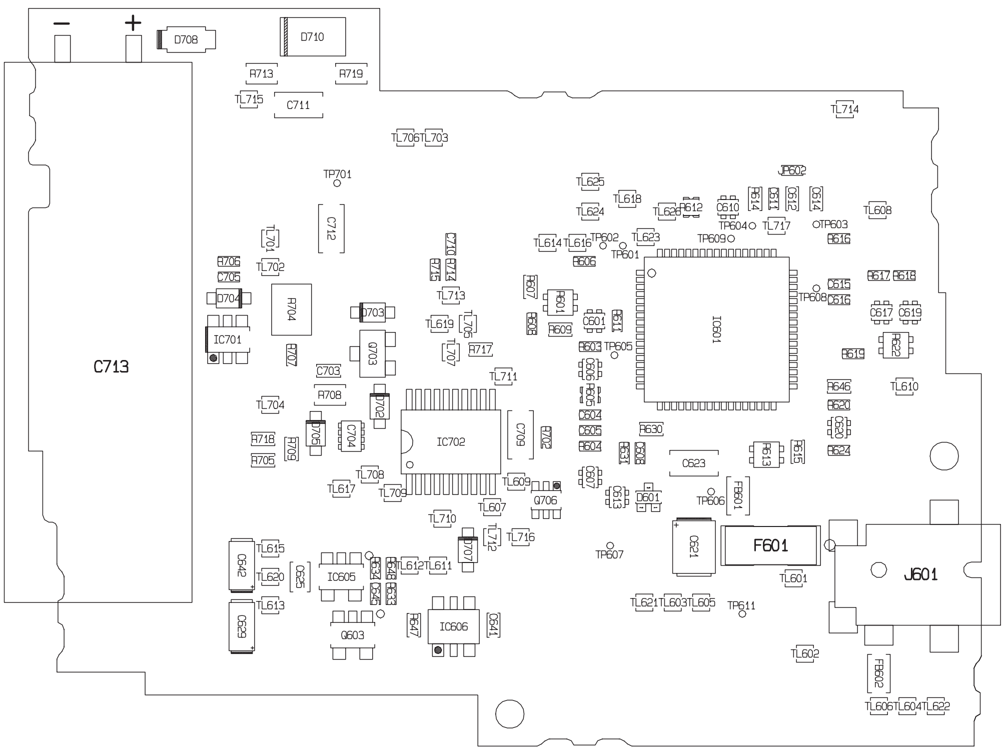


3-6-2.DCDC PWB ASSY Component Location

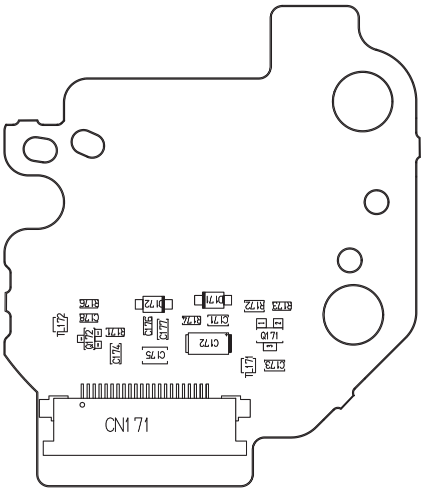
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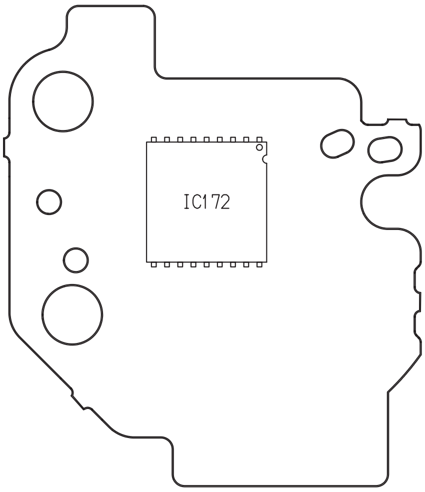
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3-6-3.CCD PWB CONST Component Location

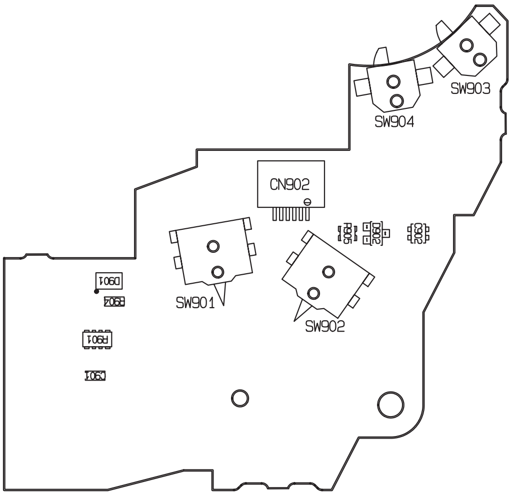


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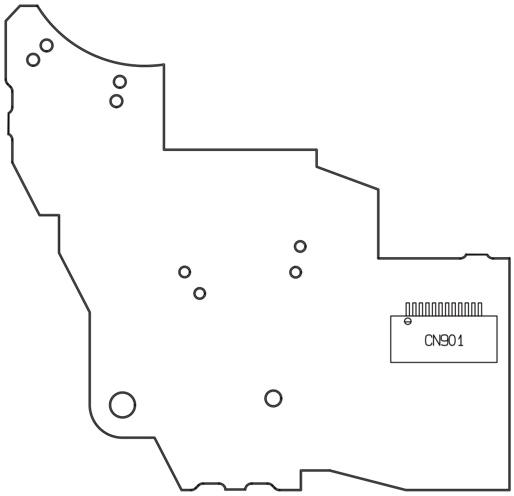


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3-6-4.MSW PWB UNIT Component Location

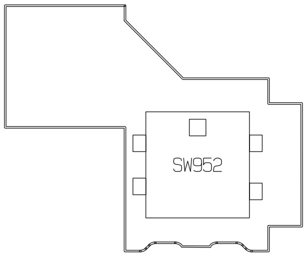


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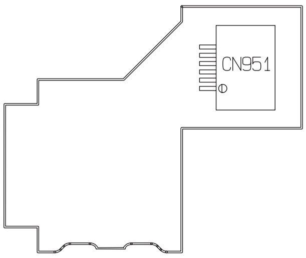


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3-6-5.RSW PWB UNIT Component Location

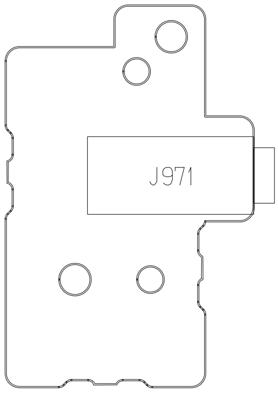


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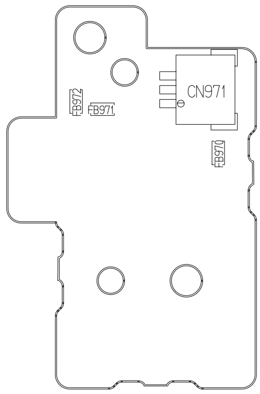


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3-6-6.VCON PWB UNIT Component Location

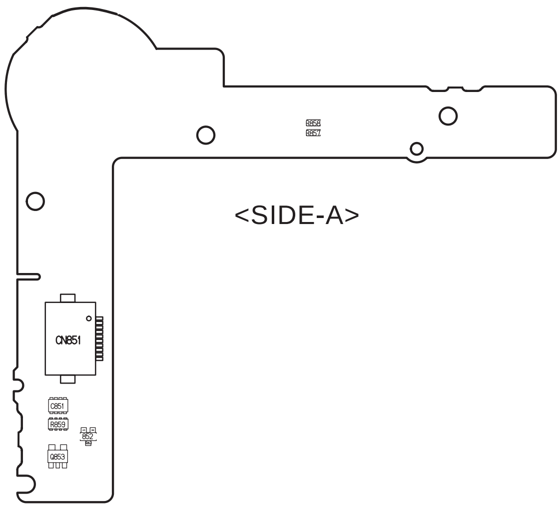


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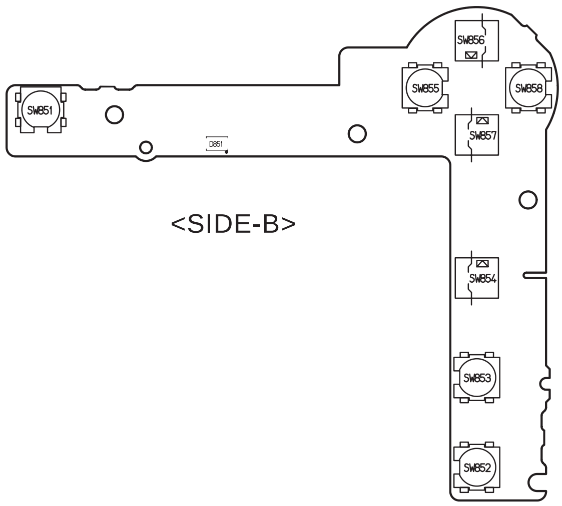


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3-6-7.KEY PWB UNIT Component Location



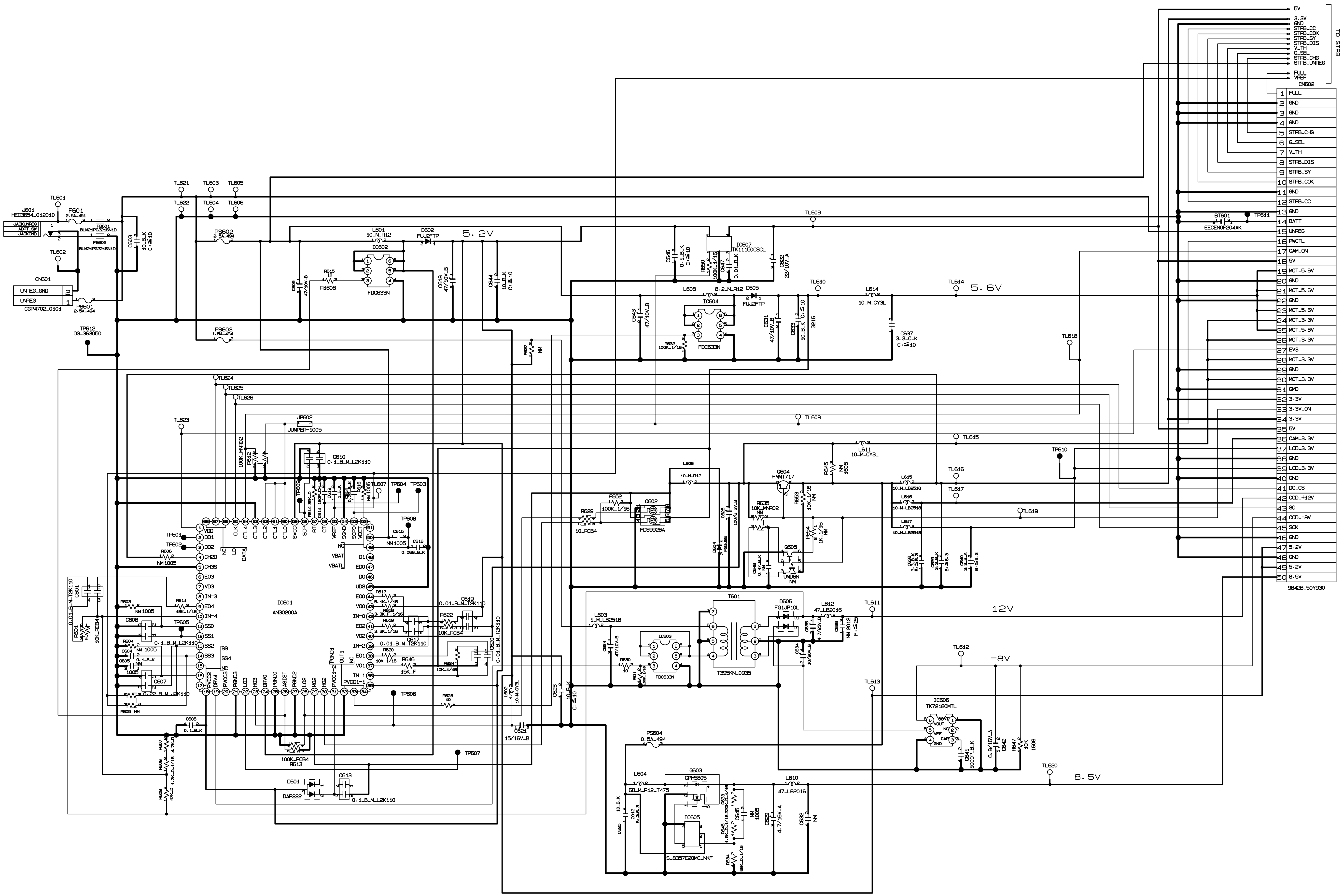
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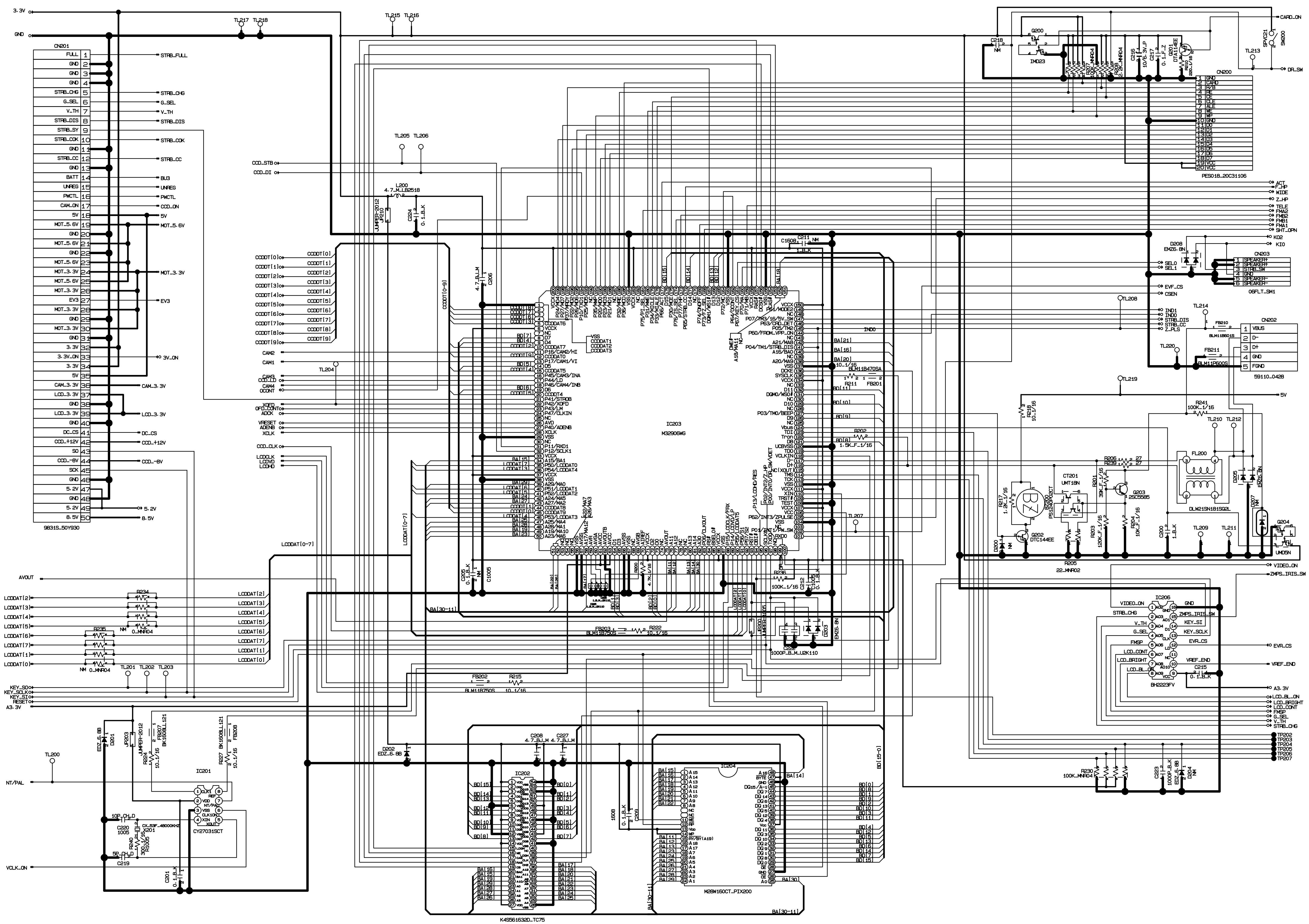
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3-7.Circuit Diagrams

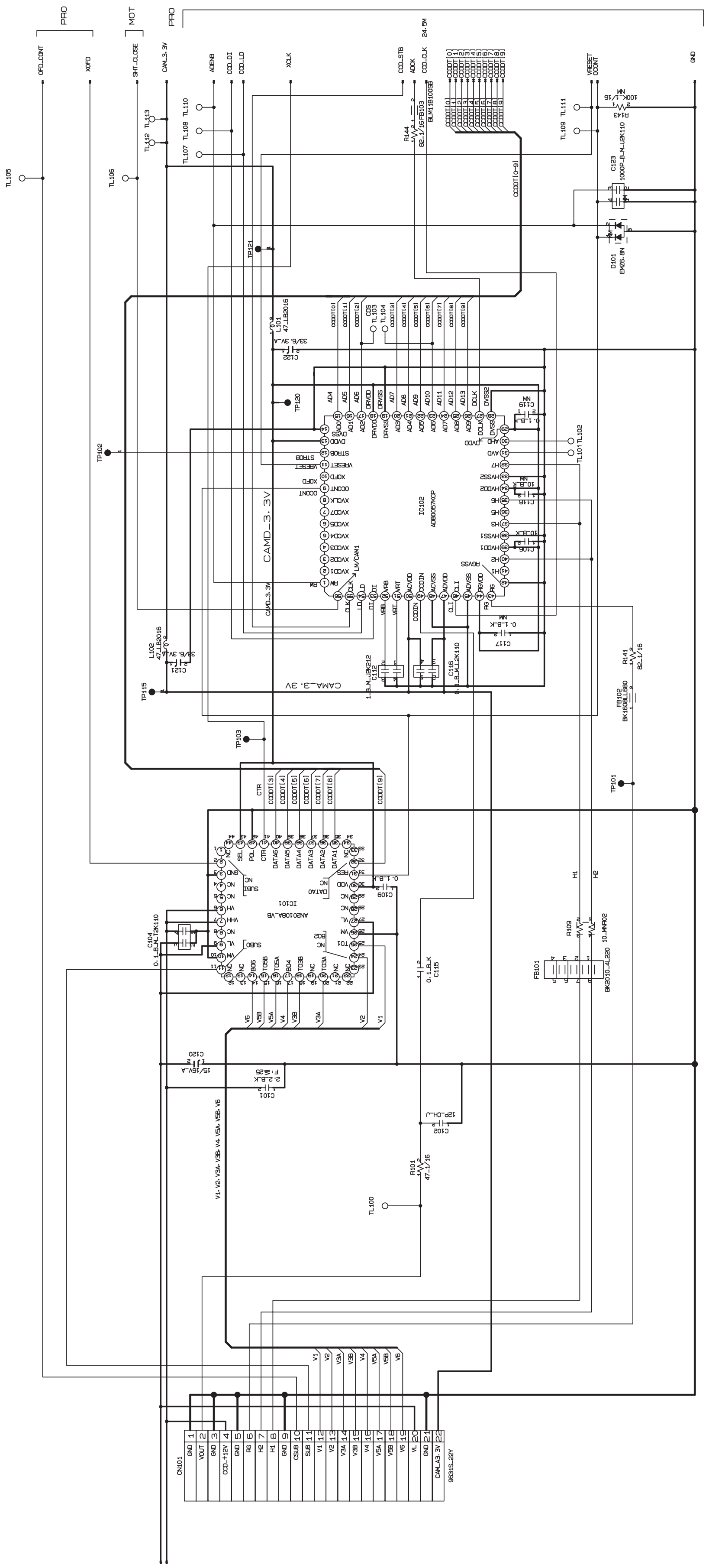
3-7-1.DCDC Block Circuit



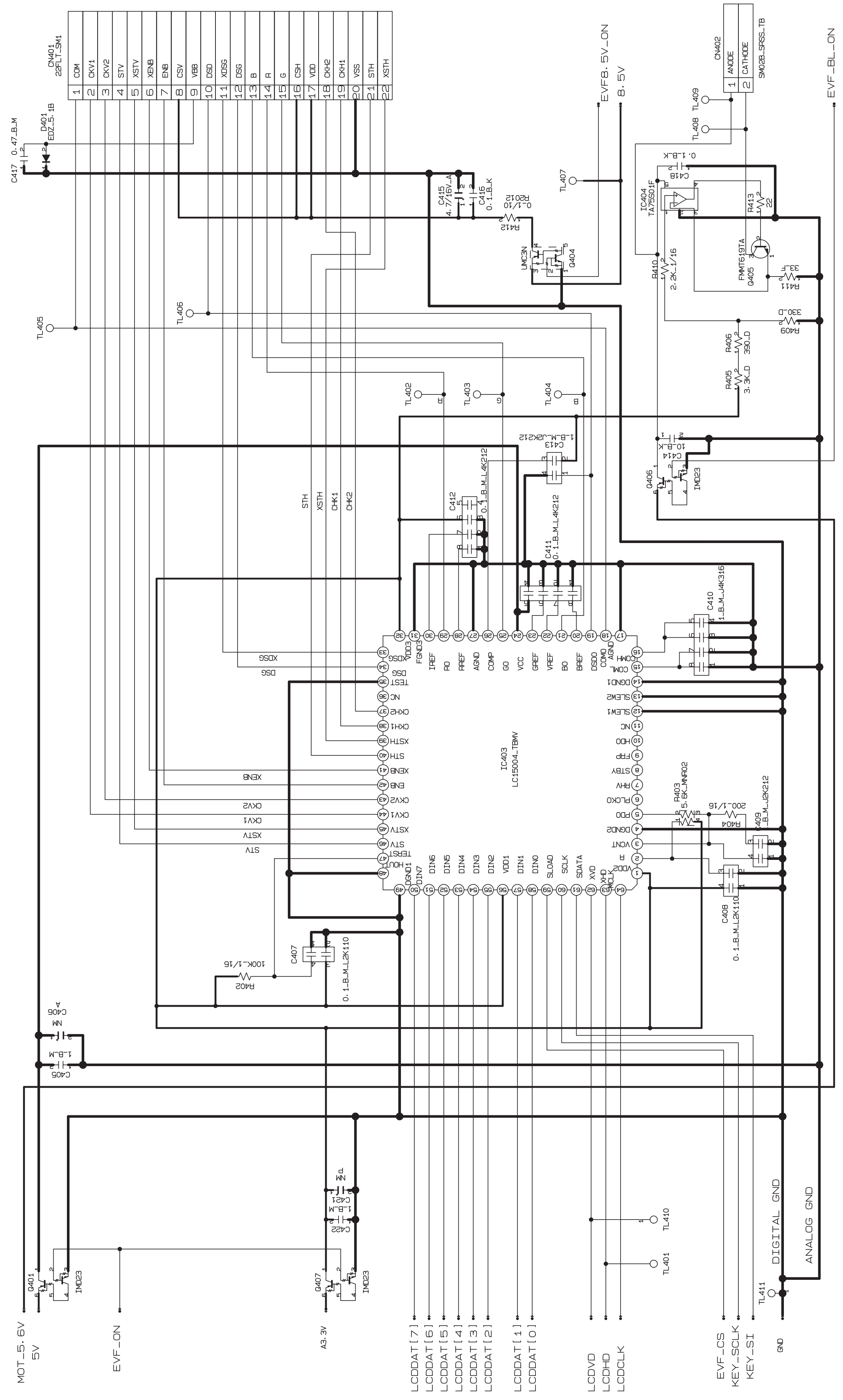
3-7-2.PROCESS Block Circuit



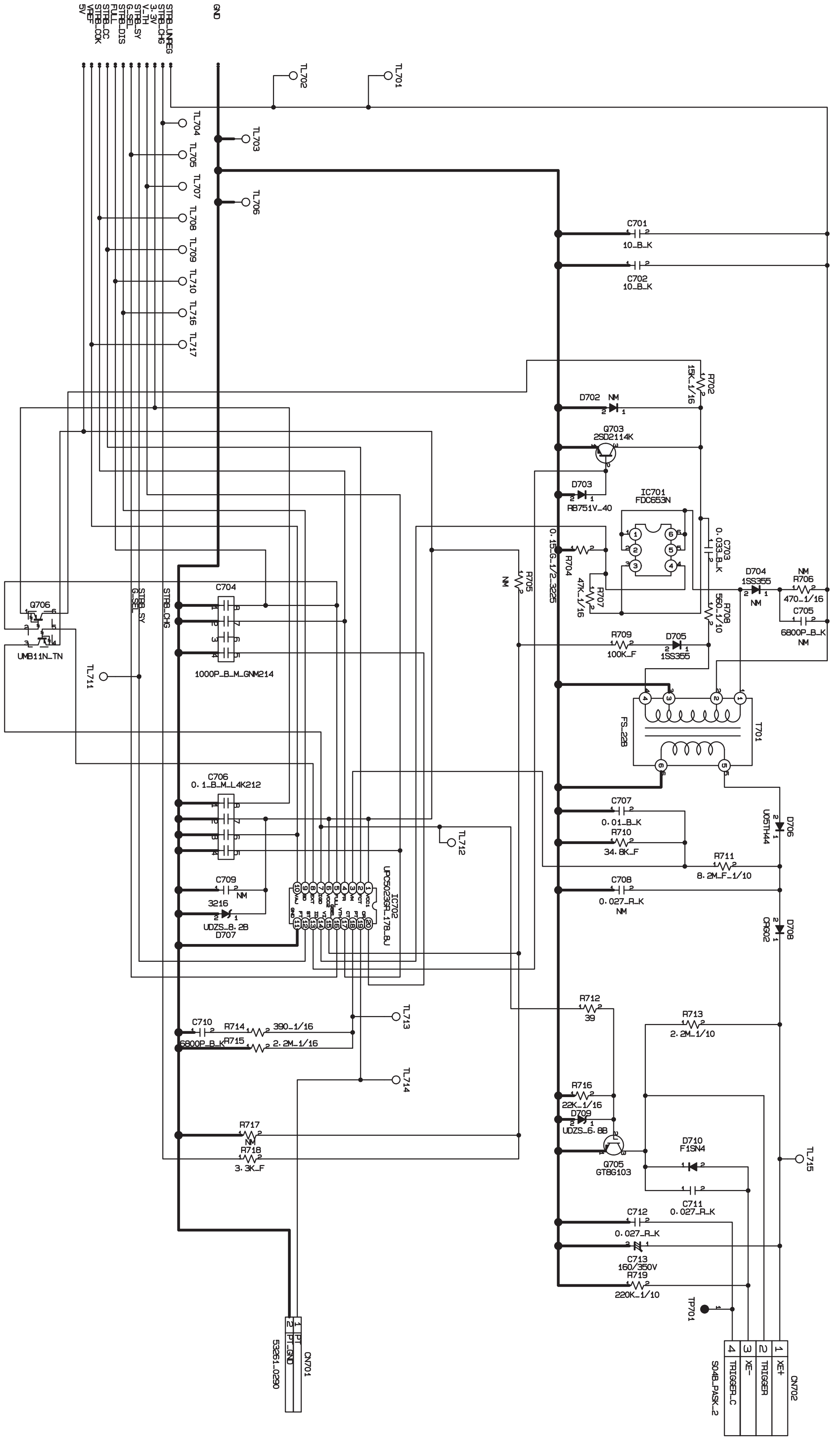
3-7-3.CAM Block Circuit



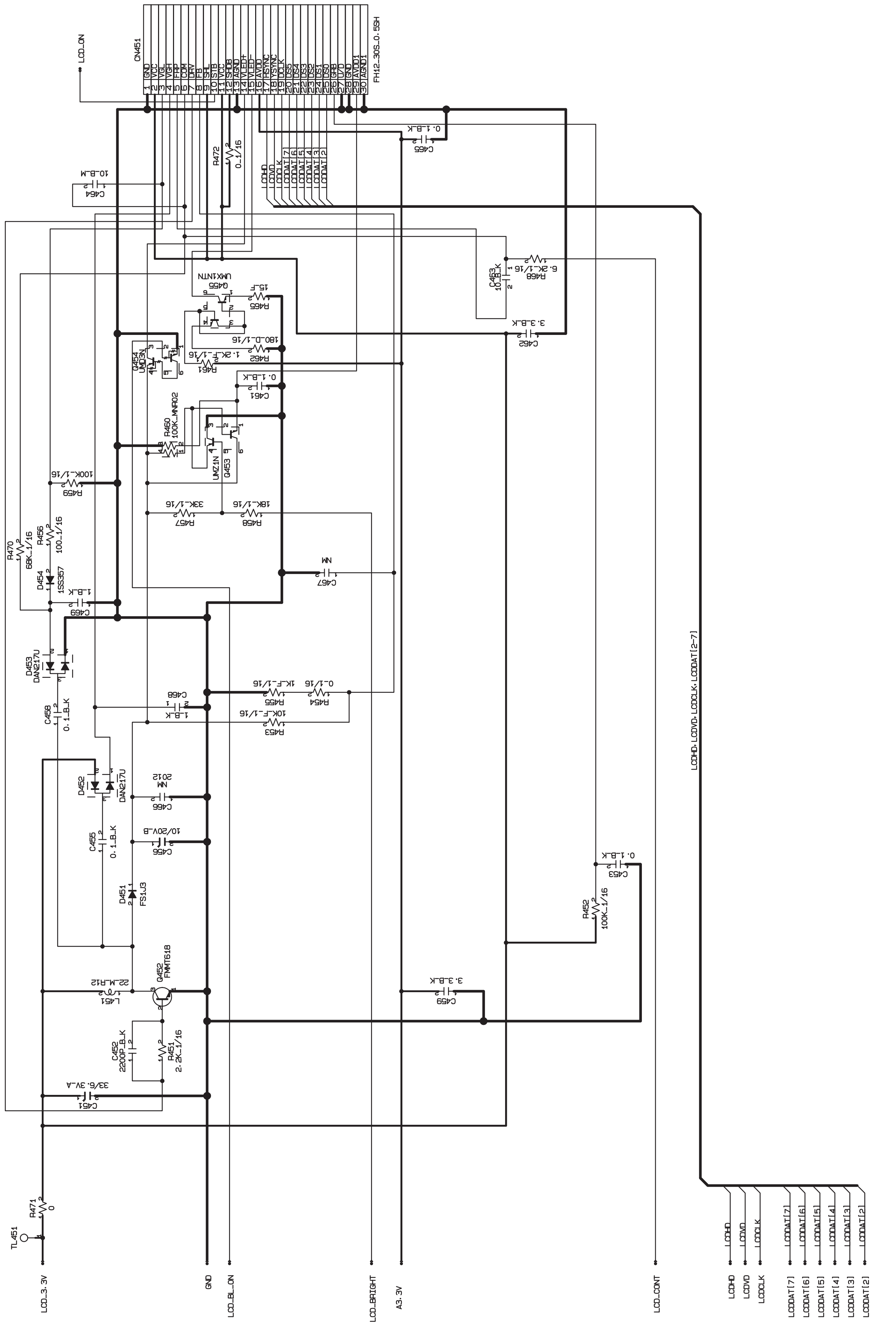
3-7-4.EVF Block Circuit



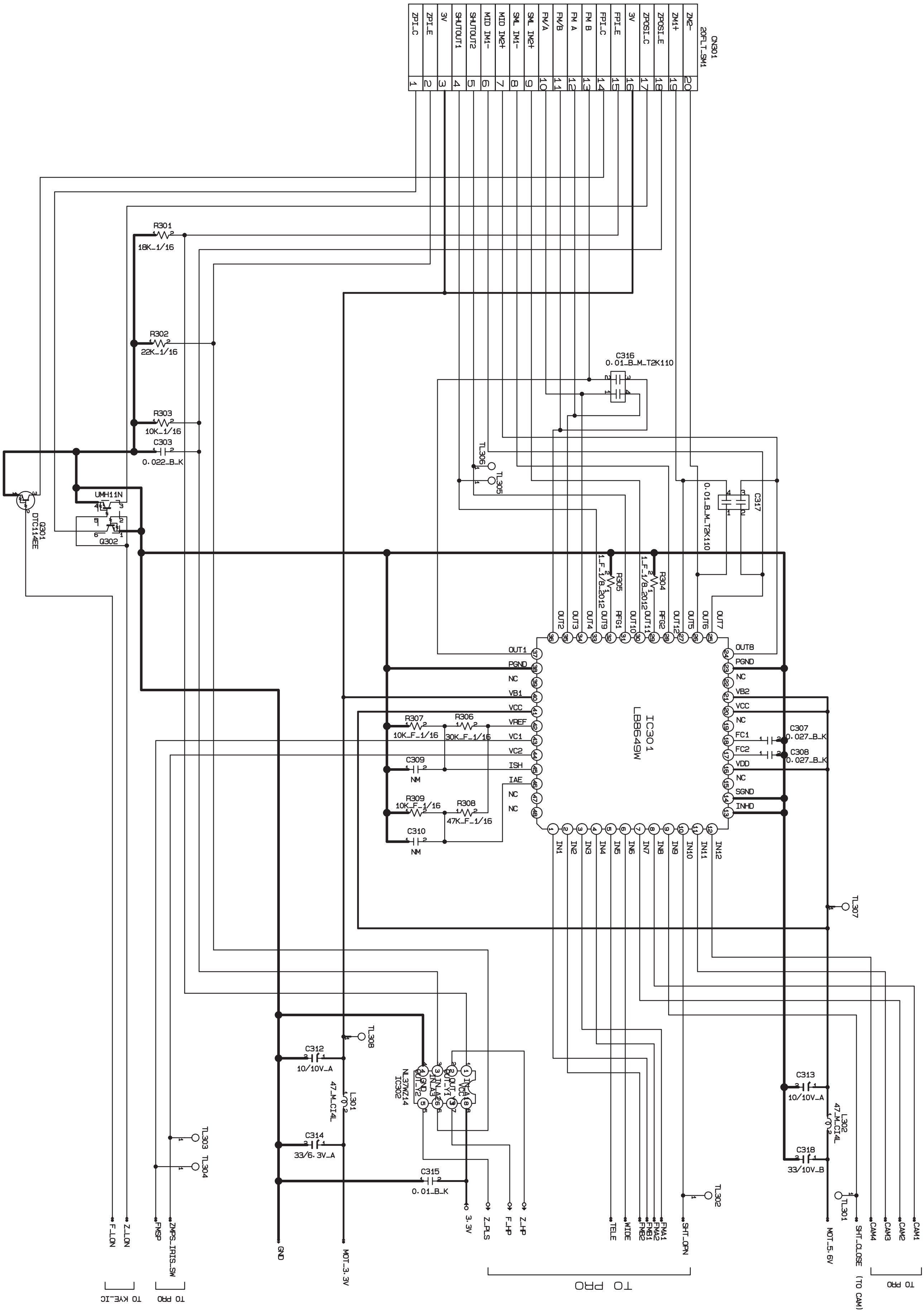
3-7-5.STROB Block Circuit



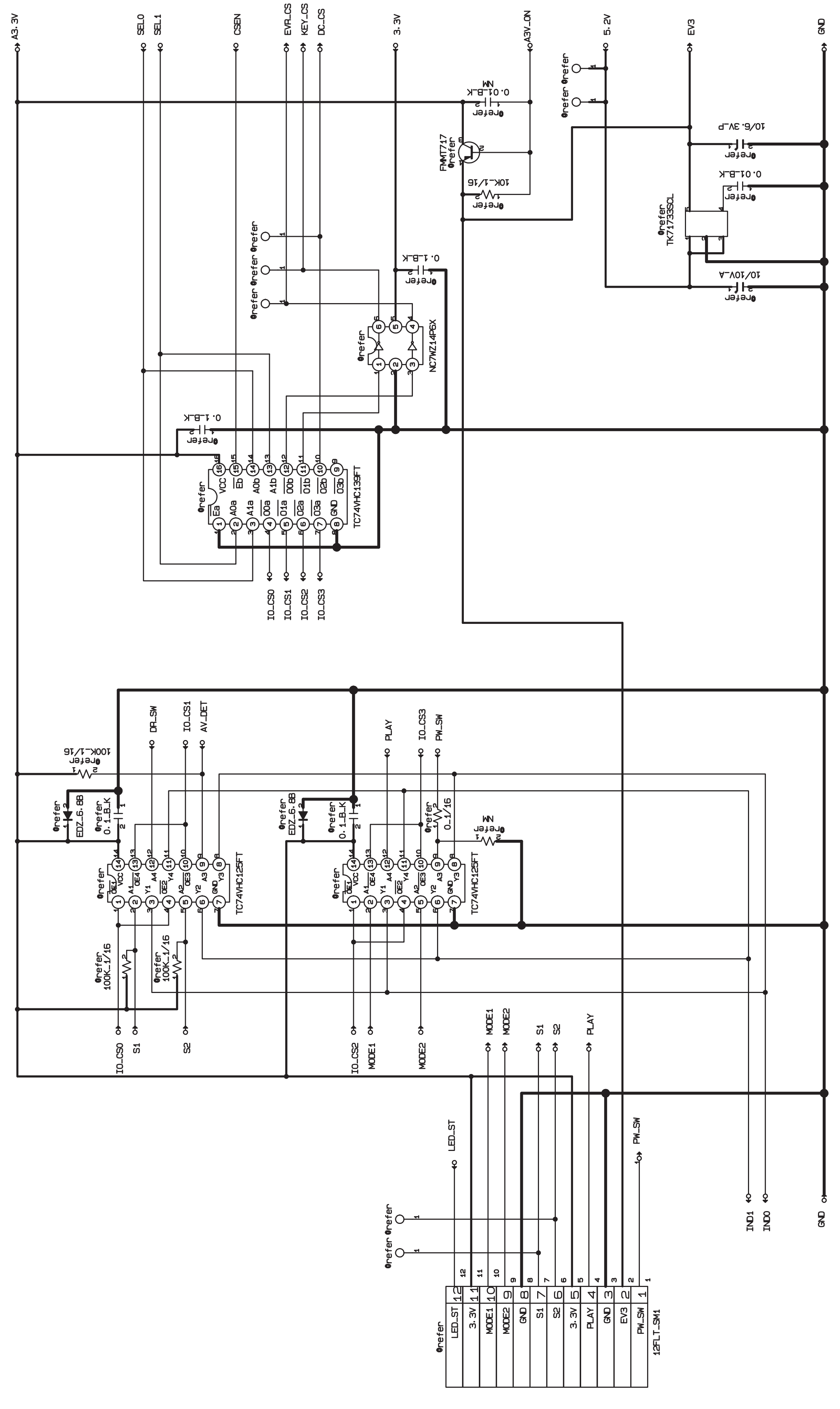
3-7-6.LCD Block Circuit



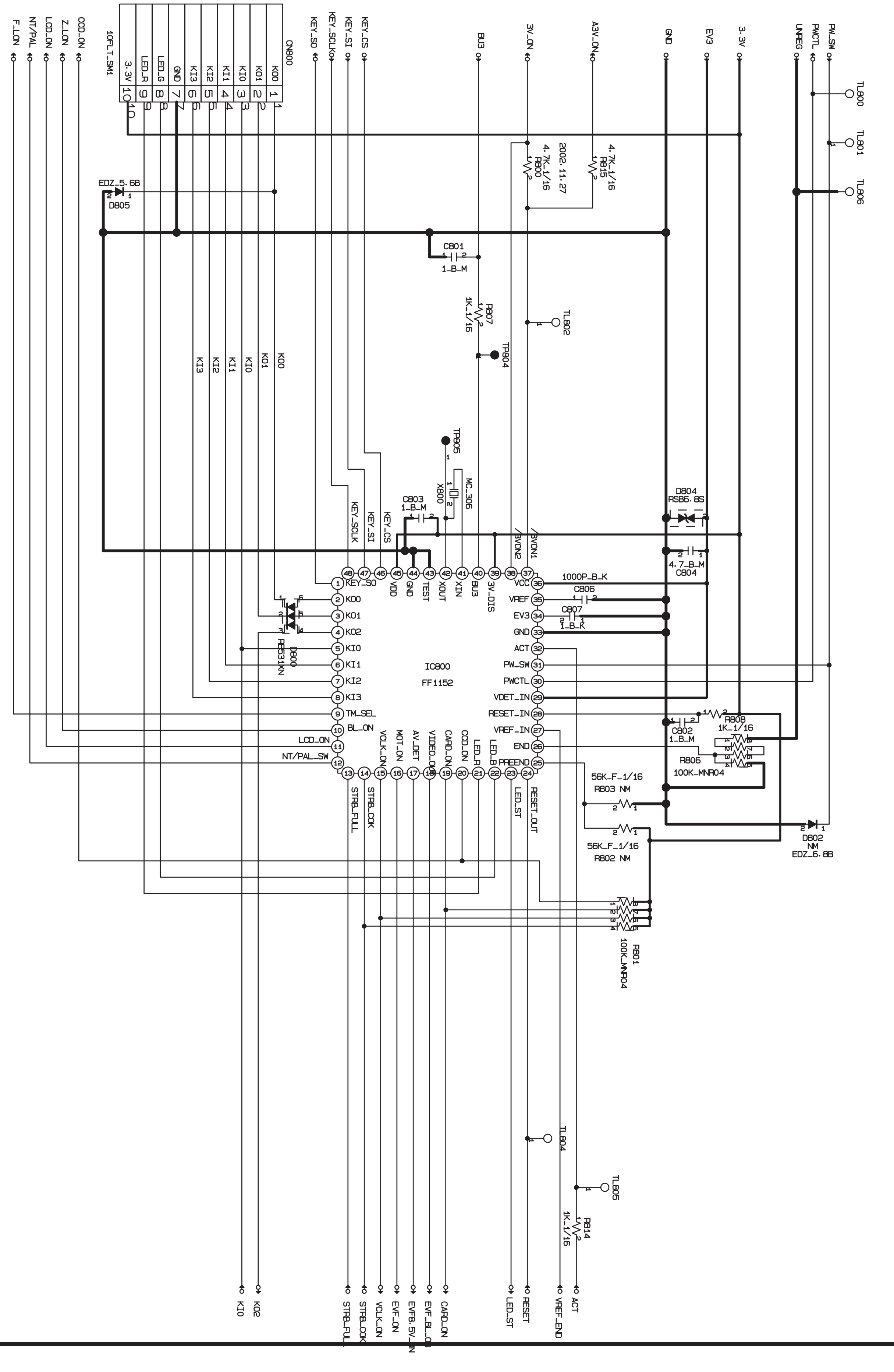
3-7-7.MOTOR Block Circuit



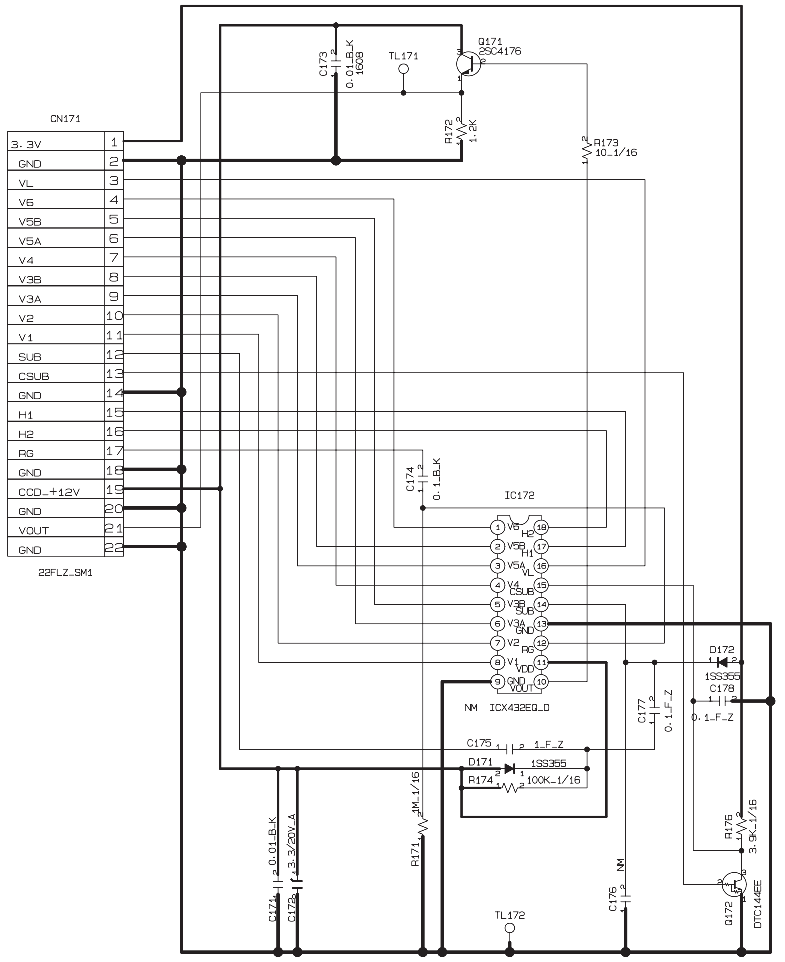
3-7-8.KEY-IO Block Circuit



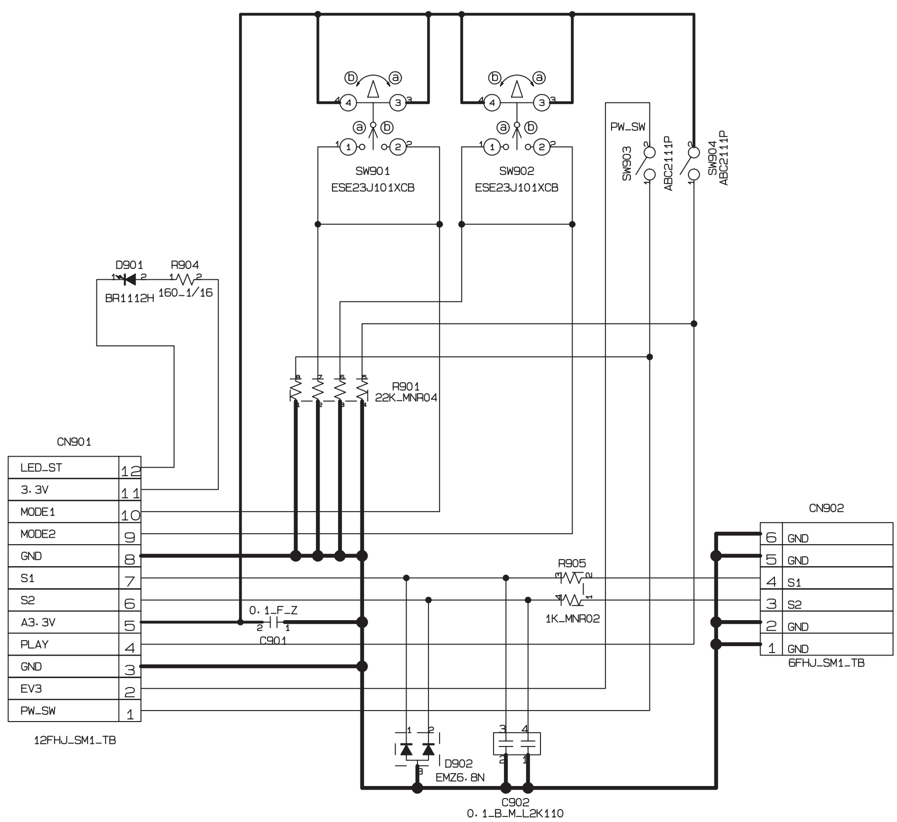
3-7-9.KEY-IC Block Circuit



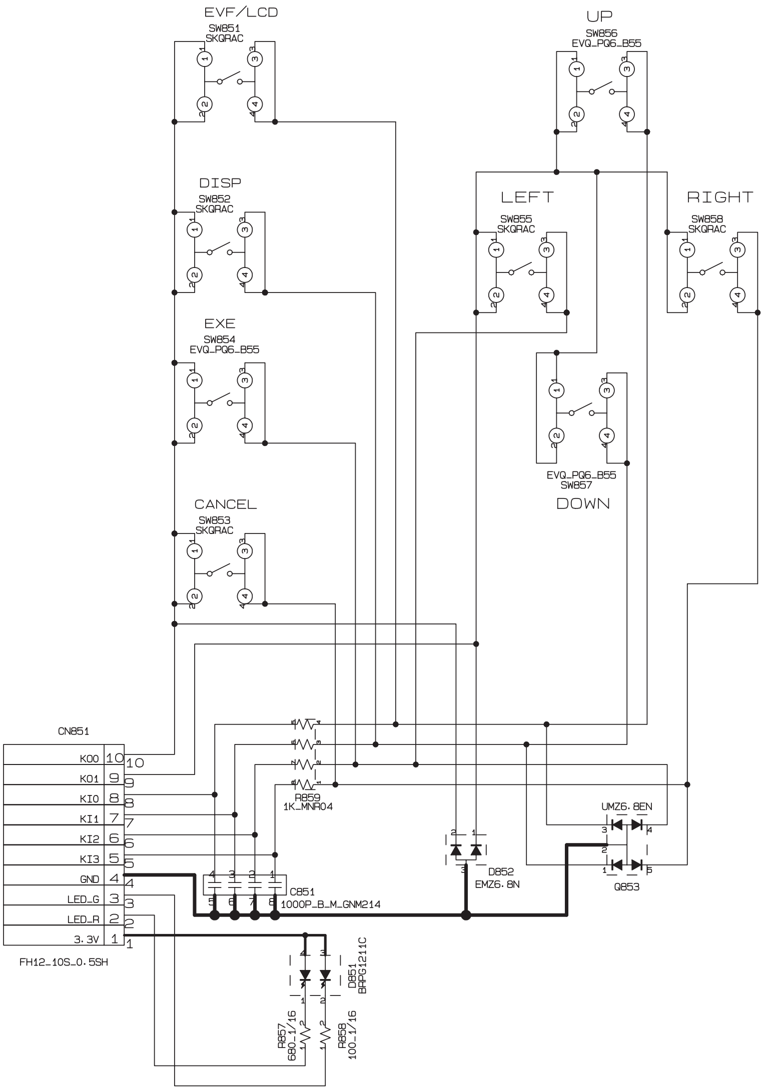
3-7-10.CCD Block Circuit



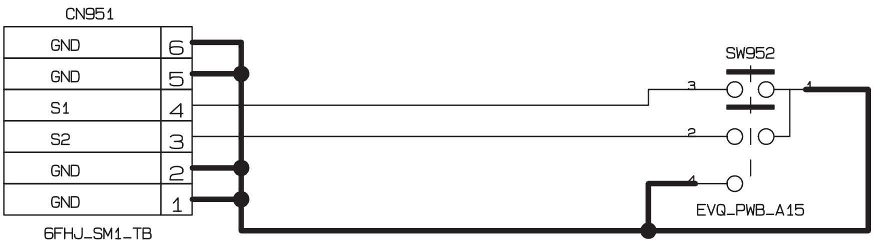
3-7-11.MSW Block Circuit



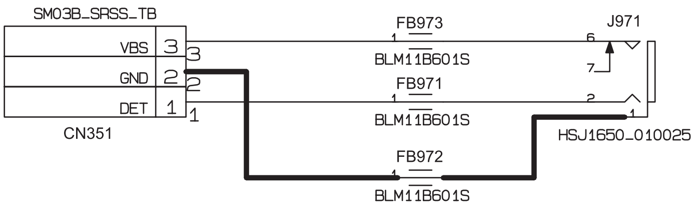
3-7-12.KSW Block Circuit



3-7-13.RSW Block Circuit



3-7-14.VCON Block Circuit



4.Adjustment

4-1.Important point Adjustment when Replacing Major Parts

Adjust the item shown by O in the table below at the part replacement of MAIN PWB ASSY, DCST PWB ASSY, LENS CONST, and LCD ASSY. (Other part replacements need not be adjusted.)

Adjustment item \ Replacing parts	CCD PWB CONST	MAIN PWB ASSY	DCST PWB ASSY	LENS UNIT	LCD ASSY
CCD Defect correction	O	O			
CAM adjustment	O	O		O	
AF adjustment	O	O		O	
Battery adjustment		O	O		
VIDEO adjustment	O	O	O		
LCD adjustment		O	O		O
Flash adjustment	O	O	O	O	
End setting	(Do the end setting when you end the adjustment software when you set the camera to the Jig mode.)				

4-2.The order of adjustment when Major Parts are replaced

When you replace CCD PWB CONST:	CCD defect correction -->CAM adjustment -->AF adjustment -->Flash adjustment --> VIDEO adjustment --> End setting.
When you replace MAIN PWB ASSY:	CCD defect correction -->CAM adjustment -->AF adjustment -->Battery adjustment --> LCD adjustment -->Flash adjustment --> VIDEO adjustment --> End setting.
When you replace LENS UNIT:	CAM adjustment -->AF adjustment --> Flash adjustment --> End setting.
When you replace DCST PWB ASSY:	Battery adjustment -->LCD adjustment -->Flash adjustment --> VIDEO adjustment --> End setting.
When you replace LCD ASSY:	LCD adjustment --> End setting.

4-3. Measuring Instruments Used

Measuring equipment	Remarks
Regulated power supply	For adjustment
Pattern box	PTB450 or equivalent
Digital voltmeter	For adjustment
PC	Used for various adjustments and operation checks (PC-AT compatible, Windows 98)
Brightness meter	LS-110 (Minolta) or equivalent
Color temperature meter	Color Meter IIIF (Minolta) or equivalent
Flash meter	Used for function checks

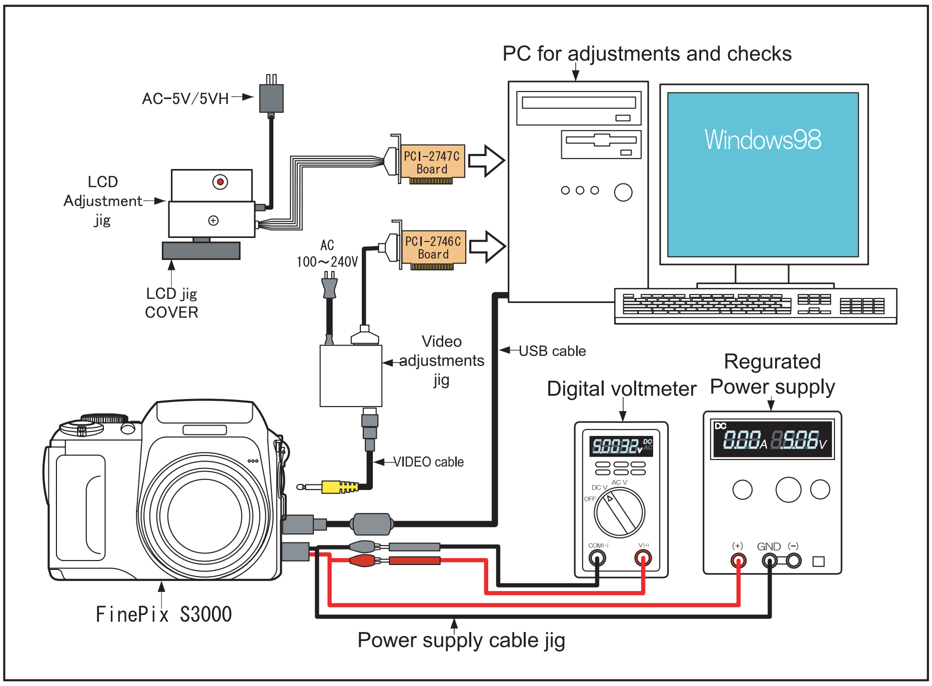
4-4.Use Jig list

	Productname/type name	Pats.No	Use	Remarks	
	FilterLB140	ZJ00006-100	CAM adjustment	Common with the DS-30/DS-20/DS-7	
	Siemens star chart	J-6080-875-A	AF adjustment	Common with the 8mmVTR/MX600	
	Close_up lens(f=900mm)	ZJ00287-100	AF adjustment	Common with the 8mmVTR/MX600	
	Lens holder	ZJ00008-100	AF adjustment	Common with the 8mmVTR/MX600	
	Stand	ZJ00009-100	AF adjustment	Common with the 8mmVTR/MX600	
	Base plate	ZJ00010-100	AF adjustment	Common with the 8mmVTR/MX600	
	Gray Chart(Reflective type)	ZJ00254-100	Flash adjustmen	Common with the MX700/MX500	
	USB cable	FZ05579-100	For PC adjustment	FinePixS3000 bundle accessories	
	Video cable	FZ05262-100	Video adjustment	Common with the FinePix A310	
	POWER CABLE JIG	ZJ00580-100	System adjustment	5V LONG TYPE/Common with the FinePix6800Z	**(Note1)**
	Screw driver (D3LUFX88G)	ZJ00583-100	Disassemble/Reassemble	Driver for special shape screw. (Common with the FinePix M603/A310)	
	Discharger	ZJ00581-100	Discharge	Discharge for Flash Unit	
☆	X-Y Stage for AF adjustment	ZJ00611-100	General adjustment		
	LB140 filter holder kit for X-Y stage	ZJ00653-100	General adjustment	For X-Y stage	
★	**FxS3000W PC Soft Ver.2.01**	**ZJ00741-201**	**For PC adjustment**	**Operates only on Win98 English OS**	**(Note2)**
	CCD defect data	**ZJ00742-100**	**CCD defect adjustment**	**New jig (Data)**	**(Note2)**
	AC adapter(AC-5VH/AC-5VHS)	-----------------	General adjustment	Accessories	
	xD picture card	-----------------	CCD defect data input		
	Lens hood	BU02664-100	CCD defect data input	FinePixS3000 bundle accessories	
	Lens cap	BU02690-200	CCD defect data input	FinePixS3000 bundle accessories	
	DSC jig driver setup	ZJ00476-101	For PC setup	DSC jig driver setup	**(Note2)**
	Video adjustment jig	ZJ00650-100	Video adjustment	Common with the FinePix A310 (PCI-2746C bundle)	
	AC cable (EG)	FZ03983-100	Video adjustment	For Video adjustment jig (Common with the FinePix A310)	**(Note3)**
	AC cable (EU)	FZ03982-100	Video adjustment	For Video adjustment jig (Common with the FinePix A310)	**(Note3)**
	AC cable (US)	FZ00330-100	Video adjustment	For Video adjustment jig (Common with the FinePix A310)	**(Note3)**
	LCD ADJUSTMENT IMAGE	ZJ00579-100	For LCD adjustment	Image for LCD flicker adjustment	**(Note2)**
	LCD Adjustment jig	ZJ00585-100	For LCD adjustment	Image for LCD adjustment	
	LCD jig cover	ZJ00631-100	For LCD adjustment	For LCD Adjustment jig	

(Note1) It is a type that the harness of POWER CABLE JIG so far becomes long.
The adjustment is possible even by past POWER CABLE JIG.
(Note2) Please downloaded from Web server (http://fujifilm-di.intranets.com/).
(Note3) Select one the power cable suitable each country.

★Revised AUG,11,2004 ☆ Revised NOV,17,2003

4-4.Jig Connections



Note1: Connect all jigs and start PC.

Note2: Do not connect the video cable with "VIDEO OUT" Jack of the camera, except when you adjust the video.

Note3: Input voltage is a thing measured in a part near "DC_IN" Jack.

Note4: Limit the current value to 2.5A or less.

4-5.Environmental Setup

(1) Environmental Setup for Camera Adjustments (Fig. A)

<<All White Pattern>>

Set the pattern box within 50 mm of the camera's reference surface (*1).

Set the filter (LB140) against the pattern box.

1. Color temperature: 6100±50K (With LB140 filter)

Measurement point : Center of pattern box

Measuring decvice : Camera Meter III (Minolta) or similar product

* How to Measure Color Temperature

Set the filter (LB140) against the pattern box. With the filter (LB140) contacting the pattern box, adjust color temperature of the pattern box to 6100±50K.

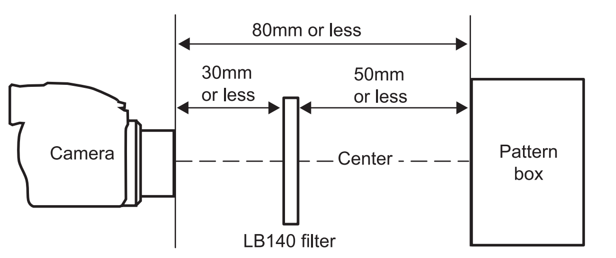
2. Brightness: 160±5 cd/m2 (With LB140 filter)

Measurement point : Center of pattern box

Measuring device : Brightness meter LS-110 (Minolta) or similar product

* How to Measure Brightness

Set the filter (LB140) against the pattern box. With the filter (LB140) contacting the pattern box, adjust brightness of the pattern box to 160±5 cd/m2.



<Fig. A> Adjustment environment

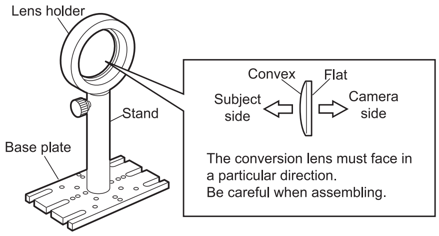
*1. The camera's reference surface is the front face of the lens assembly when the lens is to the wide end.

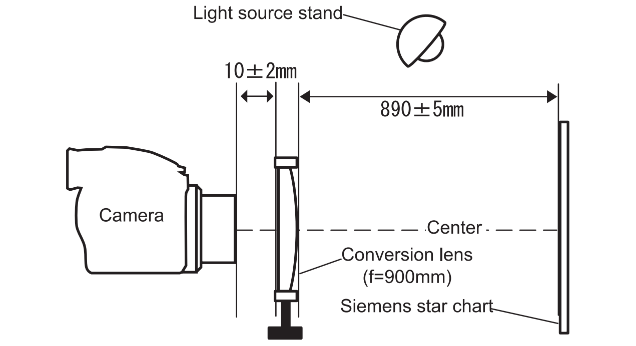
(2) Environmental Setup for AF Adjustments (Fig. B)

[1] Set the Siemens Star Chart 890±5 mm from the convex side of the conversion lens.

[2] Irradiate the Siemens Star Chart with a light source so that the surface brightness of the Siemens Star Chart is 9.0 ~ 11.5Ev.

[3] Set the conversion lens concentric to the camera lens.





<Fig. B> AF adjustment environment

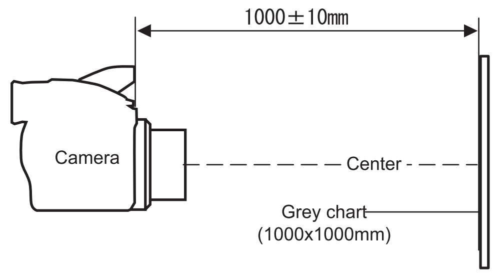
(3) Environmental Setup for Strobe Light Adjustment (Fig. C)

Because the strobe light is easily affected by external light, keep the area around the gray chart extremely dark during strobe light adjustment.

Set the gray chart 1000 mm from the camera's reference surface (*2).

The gray chart must be Oxford Gray (No. 22) made by Superior with a reflectance of 18±0.7%.

*2. The camera's reference surface for strobe light adjustment is the front face of the strobe light emitter.



<Fig. C> Strobe Light adjustment environment

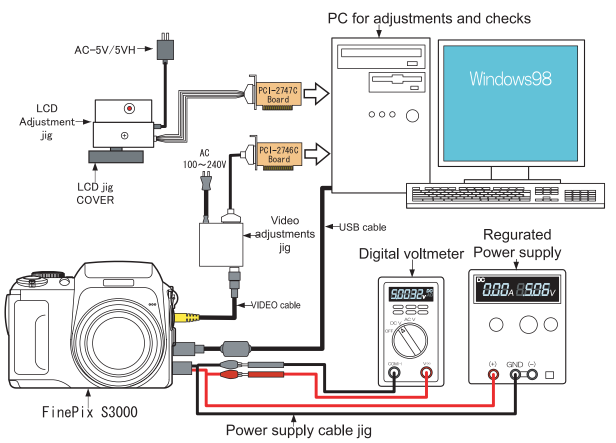
(4) Environmental Setup for Video Adjustments (Fig. D)

Video adjustments: NTSC/PAL

[Note]

Do not display the LCD monitor of the camera when the video cable is set in "VIDEO OUT" of the camera.

Set the video cable only at the video adjustment.



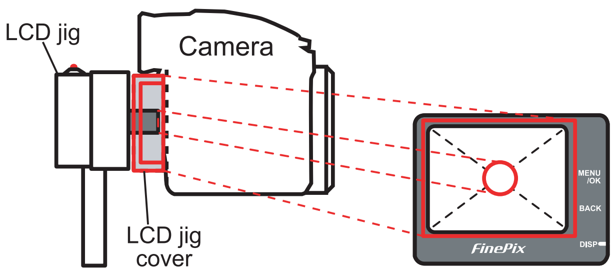
<Fig. D> Video adjustment environment

(5) Environmental Setup for LCD Adjustments (Fig. E)

1) Set the LCD jig cover in the LCD adjustment jig.

2) Set for the LCD jig cover to cover the display part of the LCD monitor.

*Fit the senser of LCD adjustment jig to the center of the LCD monitor.



<Fig. E> LCD   adjustment environment

4-6.Installing the Jig Drivers on the PC

*As this device user a USB interface for communications with the PC,the[USB Jig Driver]must first be installed on the PC before the PC adjustment software can be run.

*As the [USB Jig Driver] isthe same for all models sfter january 2001, this jig driver is already installed on the PC. This driver software need not be installed on PC in which the USB device is already been adjusted.

<Step 1>

The setup software is downloaded from WEB, and software is installed in the PC.

We have uploaded the **"DSC Jig Driver(ZJ00476-101)"** on our website: (http://fujifilm-di.intranets.com/).

<Step2>

Double-click on [setup.exe](Fig.F) in the file, and follow the instructions on the screen to install the jig driver.

The jig driver will be saved in [C:\Program Files\Fig.F].



<Fig.F>

4-7.Installing and Starting the Adjustment Software

<Step 1>

The sdjustment software is downloaded from WEB, and software is installed in the PC.

We have uploaded the **"PC Adjustment Software (ZJ00741-100.zip) for "FinePixS3000"** on our website: (http://fujifilm-di.intranets.com/).

<Step 2>

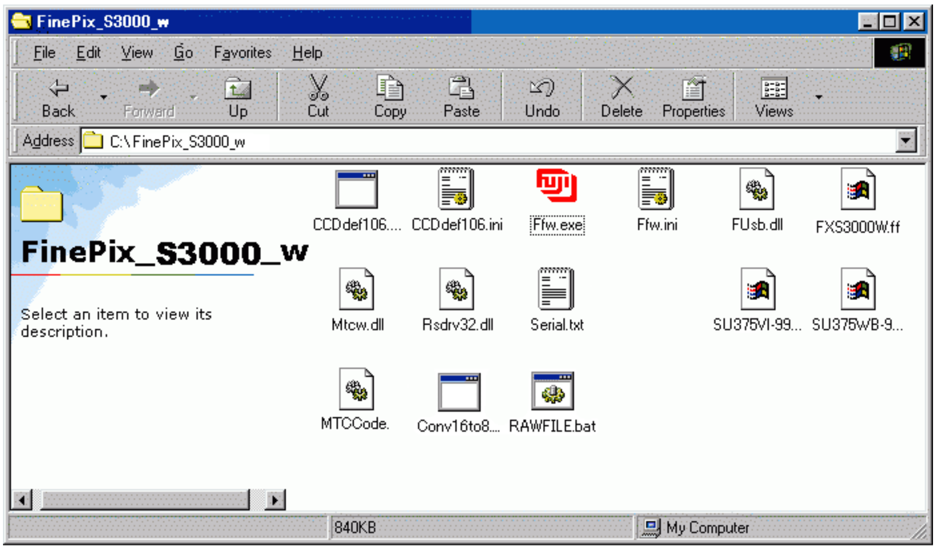
"**ZJ00741-100.zip**" is a compression of "ZIP type" file.

The **"FinePix_S3000_W"** folder can be done by extracting it by "Compression software".

Copy the "FinePix_S3000_W" folder to the "C:"drive on the Adjustment PC.(Fig.G).

<Step 3>

When all the folders have been copied to the C:drive, double-click on [C:\ FinePix_S3000_W \ FFW.exe](Fig.G) to start the adjustment software.



<Fig.G>

[Note]

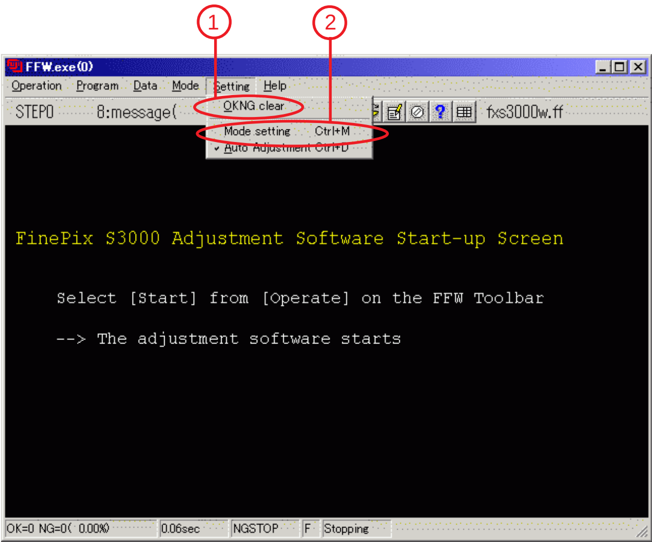
The adjustment software will not operate corrently unlessthe "FinePix_S3000_W" folder is located in the C:\ directory. Do not change the directory configuration or folder name.

4.8 Initial Settings of the Adjustment Software

* The initial settings are already written in the "FFWJ.ini" file, therefore perform the following procedure to the letter. Note that, if you change file names, the software will not start up.

* The initial settings of steps 3 - 6 are already set in the "FFWJ.ini" file. Therefore, you need only to check them.

* Do not rewrite the user program (FXS3000W.ff). If the pro- gram is rewritten, the adjustment software will not start-up.



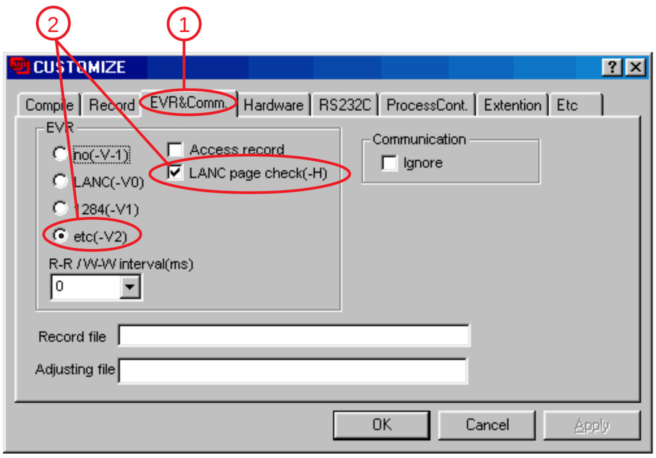
<Fig. 1>

<Step 1>

Double-click on the "FFW.exe" execute file of the adjustment software to open the "FFW Startup" screen (Fig. 1).

<Step 2>

Click on "Settings" (Fig. 1-(1)) in the menubar of the startup window. Then, select "Mode setting" (Fig. 1-(2)) from the pull-down menu that appears.



<Fig. 2>

<Step 3>

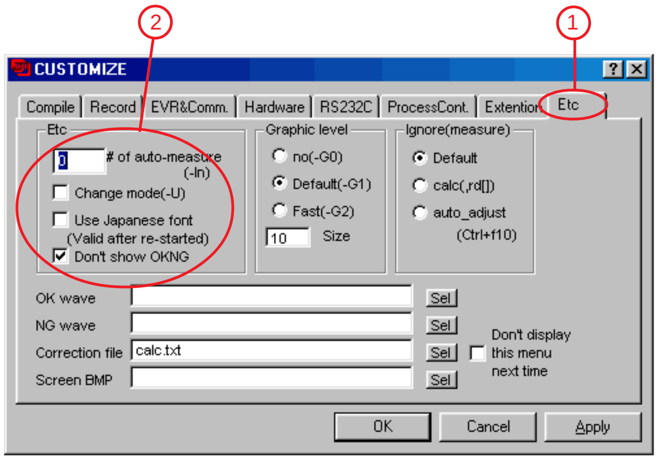
Select the "EVR & Comm" tab (Fig. 2-(1)) in the "Customize" dialog box that appears.
Set the "EVR" items (Fig. 2-(2)) as follows.

Item	Details
etc (-V2)	Check
LANC page check	Check

<Step 4>

Select the "Etc" tab (Fig. 3-(1)) in the "Customize" dialog box that appears. Set the "Other" items (Fig. 3-(1)) as follows.

Item	Details
Auto Measurement	0
Change mode(-U)	Do not check
Use Japanese Fonts	Do not check
Don't show OK NG	Check or Do not check



<Fig. 3>

<Step 5>

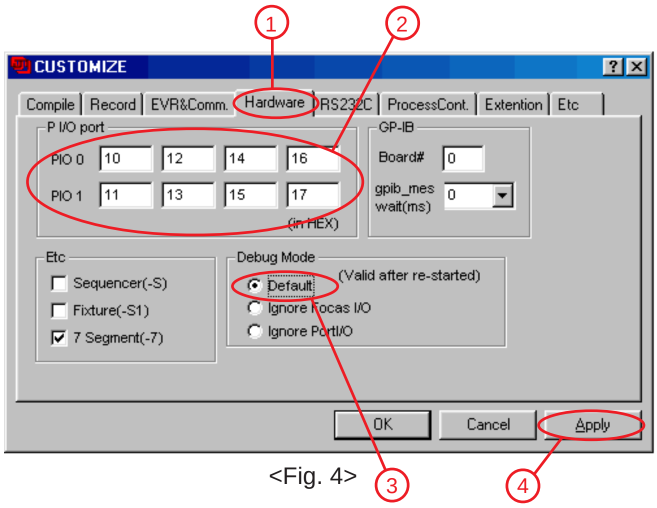
Select the "Hardware" tab (Fig. 4-(1)) in the "Customize" dialog box that appears.

Input the values for PI and P Board (Fig. 4-(1)).

PIO 0	10	12	14	16
PIO 1	11	13	15	17

Set the "Hardware" items (Fig. 4-(3)) as follows.

Item	Details
Debug Mode	Default



<Fig. 4>

<Step 6>

Once the above settings have been made, click on "Apply" (Fig. 4-(4)) in the "Customize" dialog box to complete setup. This applies the setup, therefore setting is unnecessary from the next time forward.

[Note]

If [Disable OKNG display] on the PC screen (Fig. 4) is set to OFF, the PC screen displays [OK] if adjustment is OK,and [NG] if adjustment is NG(either setting is OK).

Cautions for Adjustment

[Caution 1]

Running End setting retaurns the camare to the [Product mode] from the [Jig mode]. Always run End setting if the PC adjustment software has used to operate the camera. End setting is not run the camera will be recognized as [Mass Strorage] when connected to the PC, and will be unable to communicate with the PC. Always check that the camera is recognized as [Mass Storage] when all adjustment is complete.

[Caution 2]

The FinePix S3000 is able to batch-read data, however it is unable to batch-write data (file read, ROM write).

Menu	Command	Details
Operation	Start	Starts the program.
	Stop	Stops the program.
	Pause	Pauses the program.
	Step 0	Do not use.
Program	Reload	Reloads the program (*.ff).
	Select	Selects the program (*.ff).
	Edit	Edits the program (*.ff).
Data	ad[ ]	Do not use.
	rd[ ]	Do not use.
	SW	Do not use.
	fsw	Do not use.
	EVR	Do not use. (Caution 2)
Mode	Recodefile	Do not use.
	NGSTOP	Stop program if adjustment NG.
	STEP	Do not use.
	LINE	Do not use.
	AUTO	Do not use.
Setting	Clear OKNG	Do not use.
	Set Mode	Sets the mode
	Auto Adjustment	Run user program Auto Adjust.
Help	Help	Basic software help
	FF Help	User program help
	FOCAS	Do not use.
	Version	FFWJ version information

<Table 1> FFWJ.exe Commands

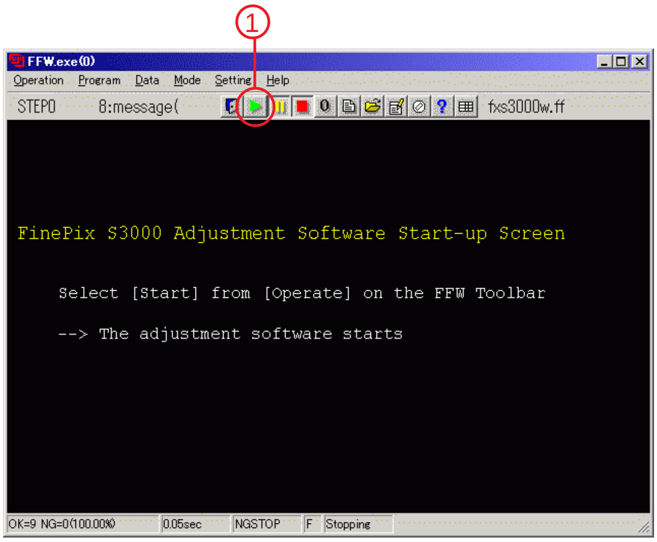
* Do not overwrite the user program (FXS3000W.ff)under any circumstances.
The software will not run if the user program is overwritten.

4-9. Starting the Adjustment Software

<Step 1>

Double-click on the "FFW.EXE" in the folder copied to the C drive to display the adjustment software start-up scren.(Fig.1)

>> The [FFW.EXE Startup screen (Fig.1)] is appears.

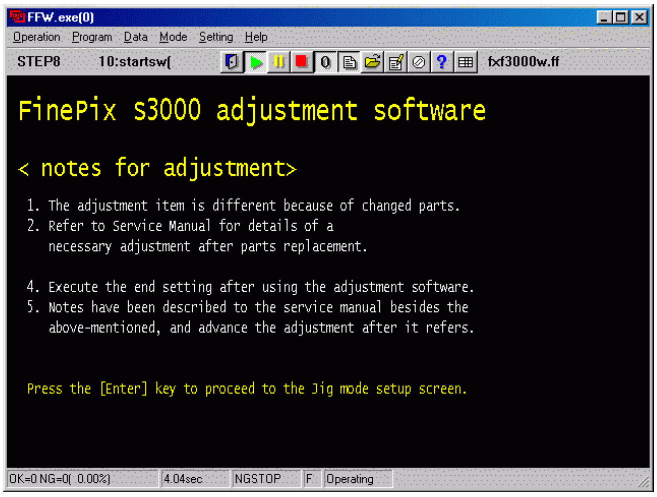


<Fig. 1>

<Step 2>

Press the "Enter" key of the PC or click on the start button (Fig.1-(1)) in the toolbar.

>> The [Inithal Screen (Fig.2)] is appear.

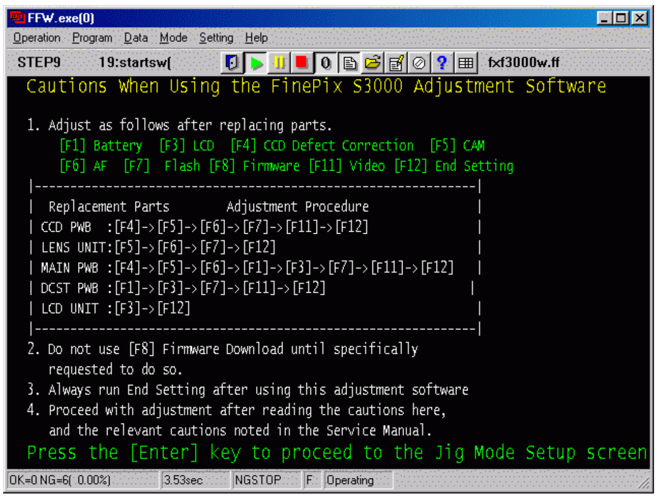


<Fig. 2>

<Step 3>

After setting the camera to the Jig mode, press the "Enter" key of the PC.

>>The[Caution When Using the Adjustment Software (Fig. 3)] screen is appears.



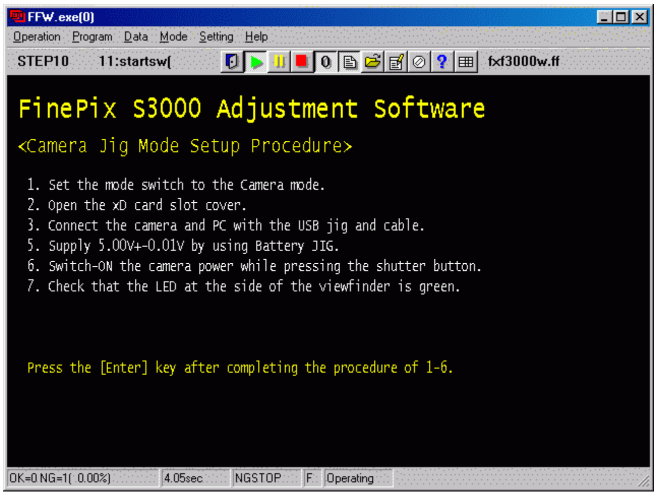
<Fig. 3>

<Step 4>

After reading the notes, press the "Enter" key of the PC.
>> The [Jig Mode Setting Procedures screen (Fig.4)] is appear.

How to Set Up the Jig Mode

1. Set the mode switch to the camera mode.
2. Open the slot cover.
3. Connect the camera and PC with the USB jig and cable.
4. Supply 5.00V±0.01V by using Battery JIG.
5. Switch-ON the camera power while pressing the shutter button.
   * Keep the shutter release button depressed until the LCD backlight comes on.
6. Check that the LED at the side of the viewfinder is green.
7. Once completing steps 1 - 6, press the "Enter" key of the PC.



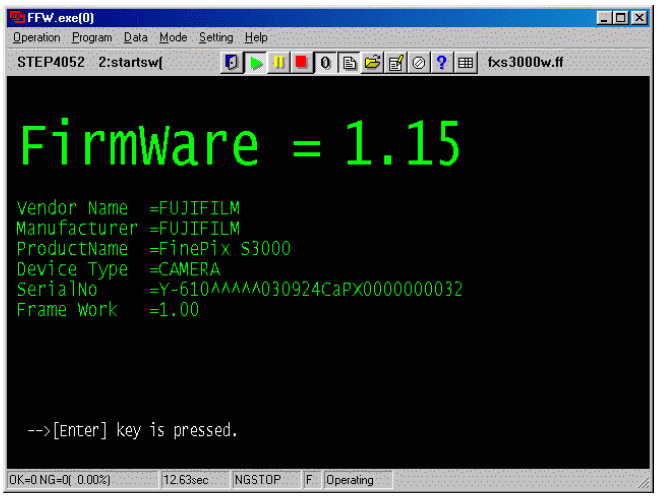
<Fig. 4>

<Step 5>

>> The [Firmware Version check screen (Fig. 5)] is appears. (Firmware confirmation window)

<Note>

(1) The firmware version as of September 19th, 2003 is '1.15'. A separate instruction will be issued if the firmware requires upgrading.

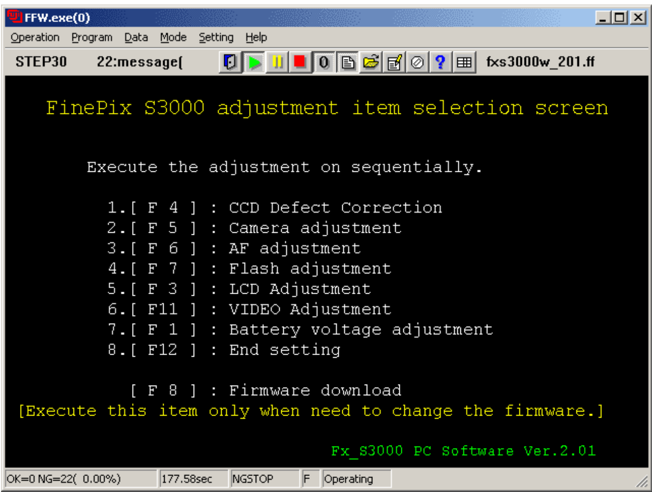


<Fig. 5>

<Step 6>

Press the "Enter" key of the PC.

>> The [Adjustment Item Select scree(Fig. 6)] is appears.



<Fig. 6>

4-10.[F4] : CCD Defect Data Input

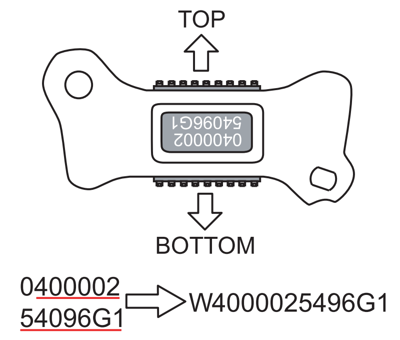
CCD data input is required when the CCD CONST or MAIN PWB ASSY is replaced.

[Obtaining CCD defect data]

Note the CCD serial No. on the camera to be adjusted, and copy the data with the same CCD Serial No. from the C to a floppy disk.

Creating a CCD data floppy disk when the MAIN PWB ASSY and CCD CONST has been replaced.

*The following example assumes the use of the serial No. shown at right.(Fig. CCD1)



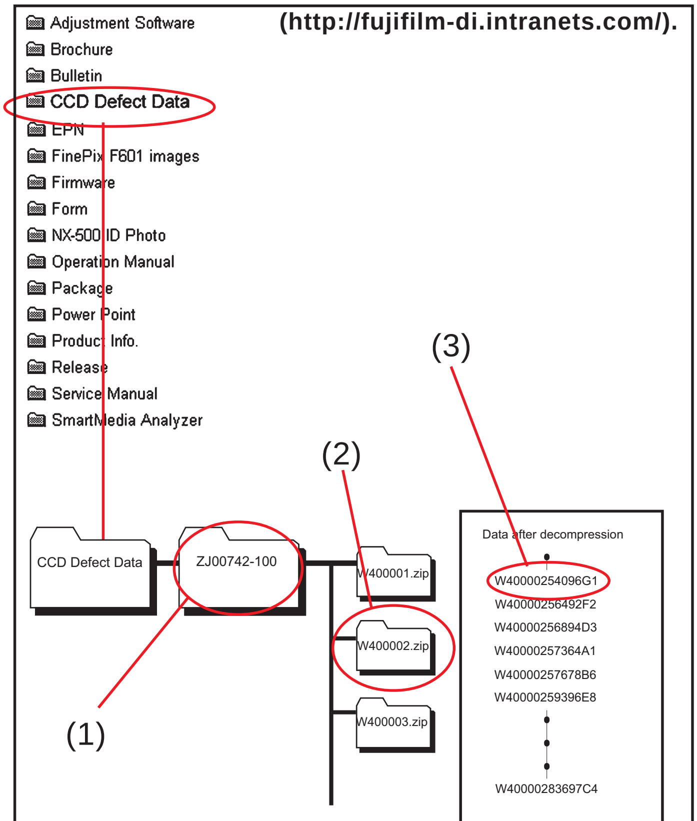
<Fig. CCD1>

<Step 1>

Note the CCD serial No. on the CCD CONST and MAIN PWB ASSY when replacing the MAIN PWB ASSY.
The numbers shown at right are as follows.
First line: 0400002 (seven digits)
Bottom line: 54096G1(seven digits)
The name of the CCD data file containing this number is **W40000254096G1.dat** (ie the first digit of the first line is changed into **W, and 2 to7 digits** are used).
The seven digits in the bottom line are then appended to form the CCD data file name. Record this file name.

Cautions:

1. The CCD damage data file extension is **'.dat'**. Depending upon Windows settings, this extension may not be displayed. In this case, change the settings to ensure that it is displayed.
2. In addition to numbers, letters are also used in the CCD serial No. The data file name is instructed in the same manner in this case.
3. Ensure that the CCD serial No. is read correctly. If the file name is read incorrectly CCD data for another camera will be loaded when this file is used.



< Fig. CCD2> Defect data making procedure chart

<Step 2>

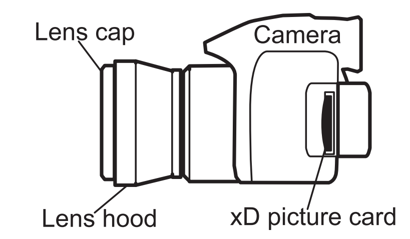
Download the ZIP file of top four digits from Web server (http://fujifilm-di.intranets.com/).
Open [ZJ00742-100(Fig.CCD2-(1)] in the CCD defect data folder, and download "W400002.zip [Fig.CCD2-(2)]".

<Step 3>

Decompress "W400002.zip".
--> "W400002 folders" including "W4000025496G1.dat" is made.

<Step 4>

Insert a writable floppy disk into the floppy disk drive on the computer.



CCD Defect Data Input environment

<Step 5>

Open in "W400002 folders", search for **"W4000025496G1.dat[Fig.CCD2-(3)] "**, and copy it onto the floppy disk.

Caution: Do not create a folder on the floppy disk when copying the data.

< Adjustment >

<Step 1>

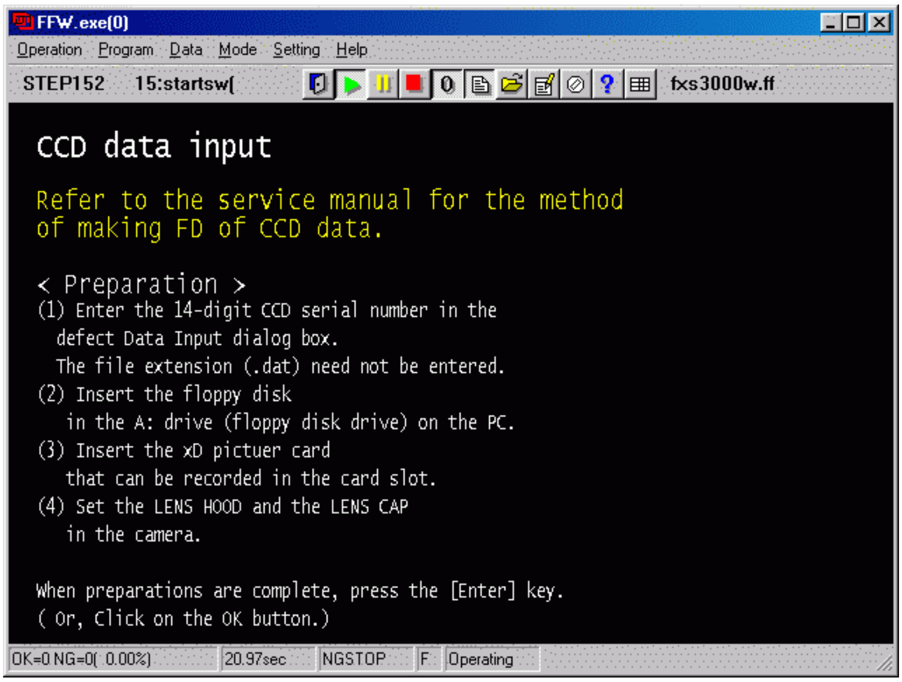
Select [F4] CCD Defect Data Input adjustment on the [Adjustment Items Select] screen(Fig.5).

<Step 2>

—> Set the xD picture card (can be recorded)in the camera.

—> Set LENS HOOD and LENS CAP in the camera.

—> Run the adjustment in accordance with the instructions on the screen (Fig. CCD3).

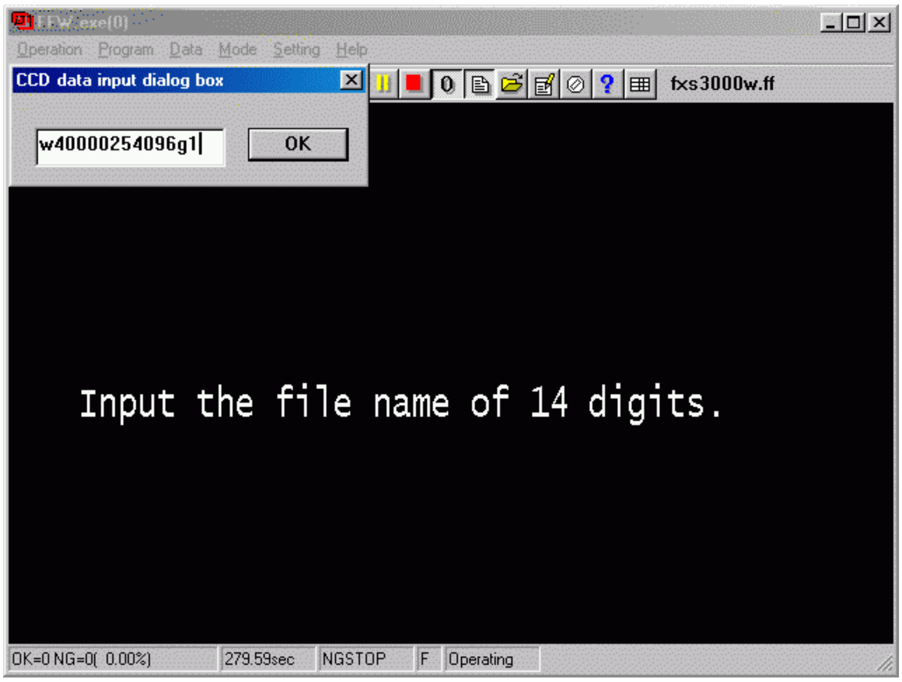


< Fig. CCD3>

<Step 3>

—>The [CCD Data Input dialog box] window appears (Fig. CCD4).

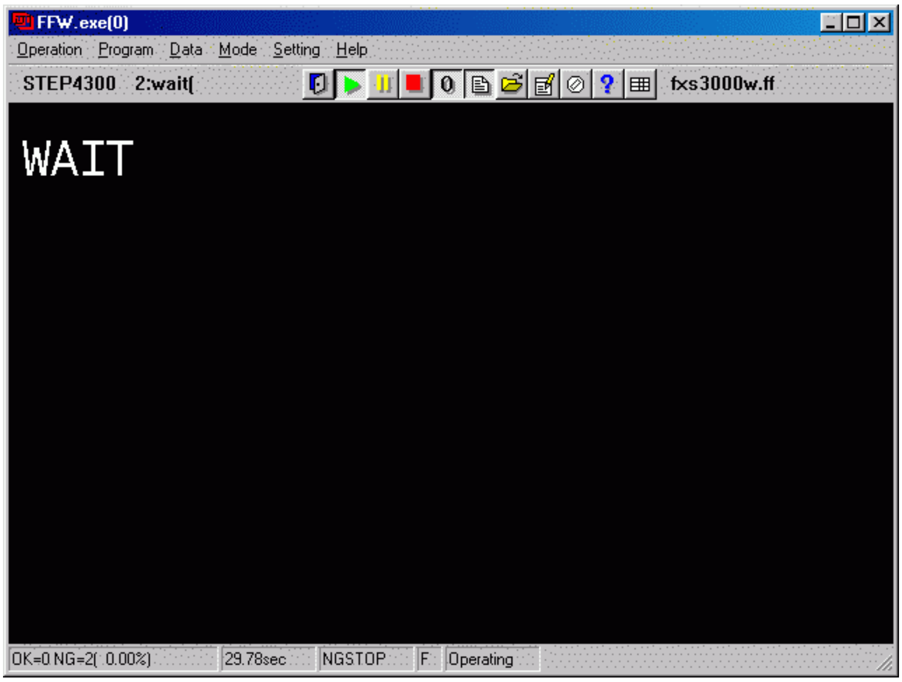
—> Input CCD data file name (CCD Serial No.)



< Fig.CCD4 >

<Step 4>

—>Wait until the CCD temperature is steady (Fig. CCD5).

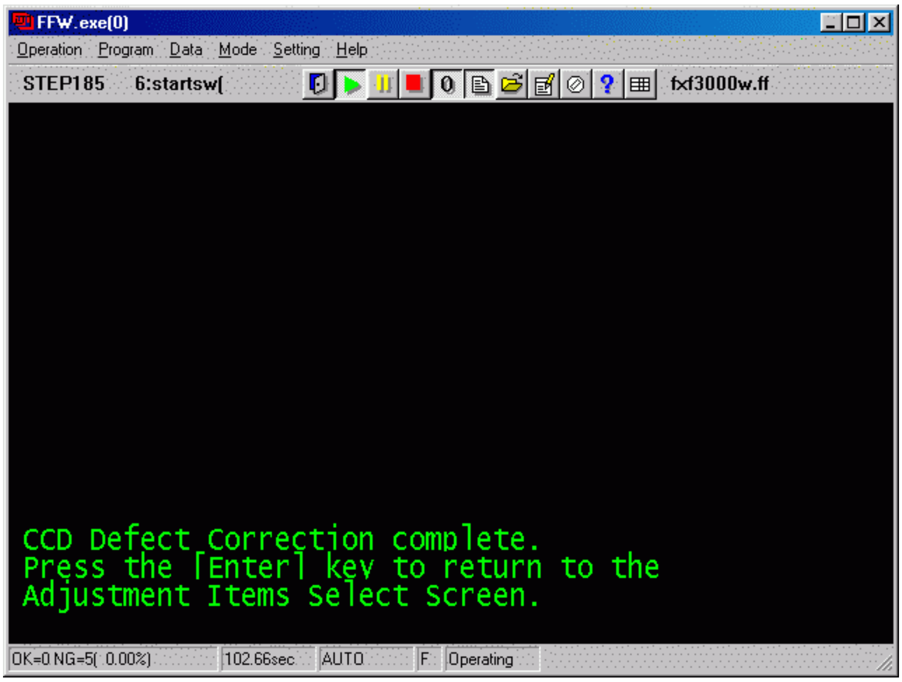


< Fig. CCD5>

<Step 5>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

—> The [CCD Defect Data Input adjustment Complete] screen appears(Fig. CCD6).



< Fig. CCD6>

4-11. [F5] CAM Adjustment

(shutter adjustment, adjustment for reduced aperture sensitivity, ISO sensitivity adjustment, white balance adjustment, AE adjustment, offset level adjustment)

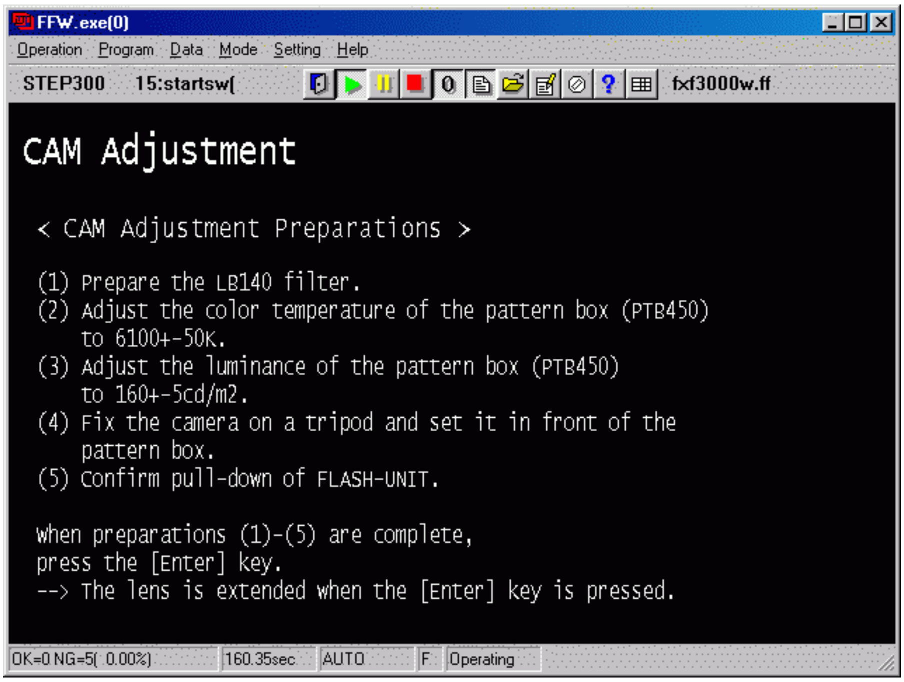
<Step 1>

Select [F5] CAM Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [CAM Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.



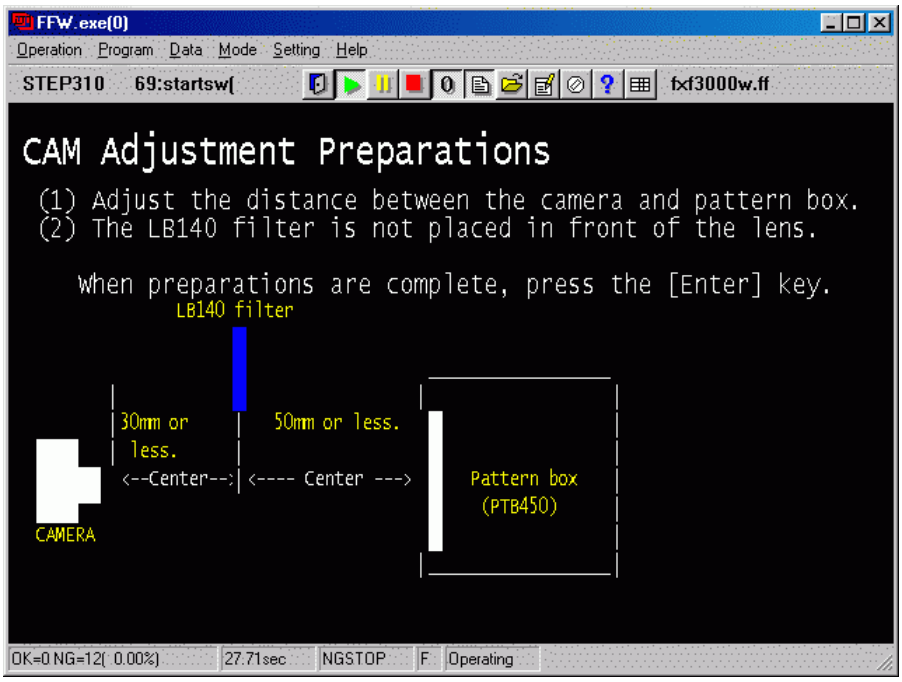
<Fig. CAM1>

<Note>

An error will occur during CAM adjustment, and adjustment cannot be completed, unless the pattern box is calibrated correctly.

—> The [CAM Adjustment (without filter)] screen appears(Fig. CAM2).

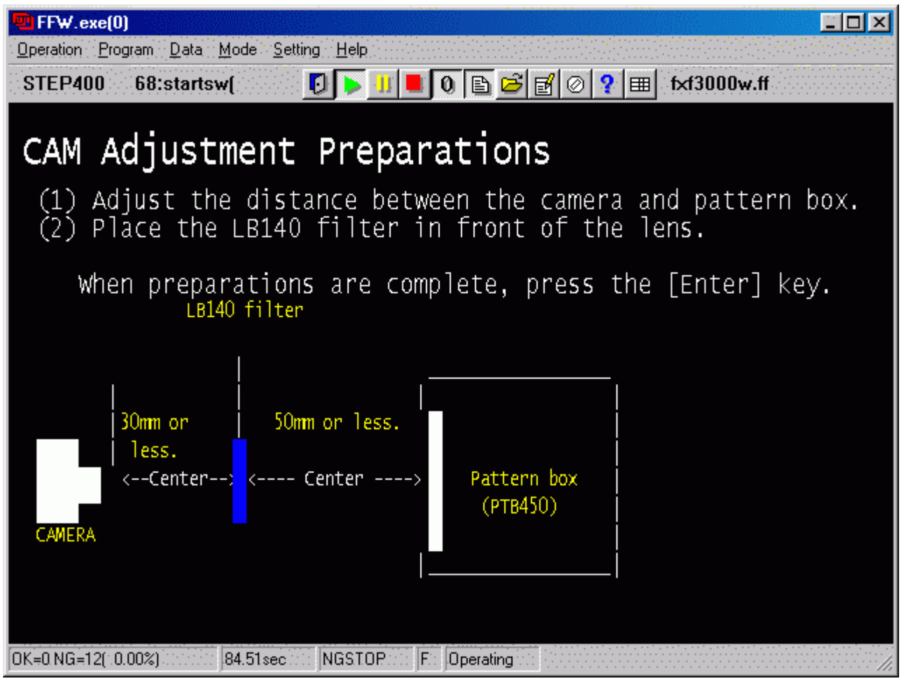
<Step 3>



<Fig. CAM2>

—> The [CAM Adjustment (with filter)] screen appears(Fig. CAM3).

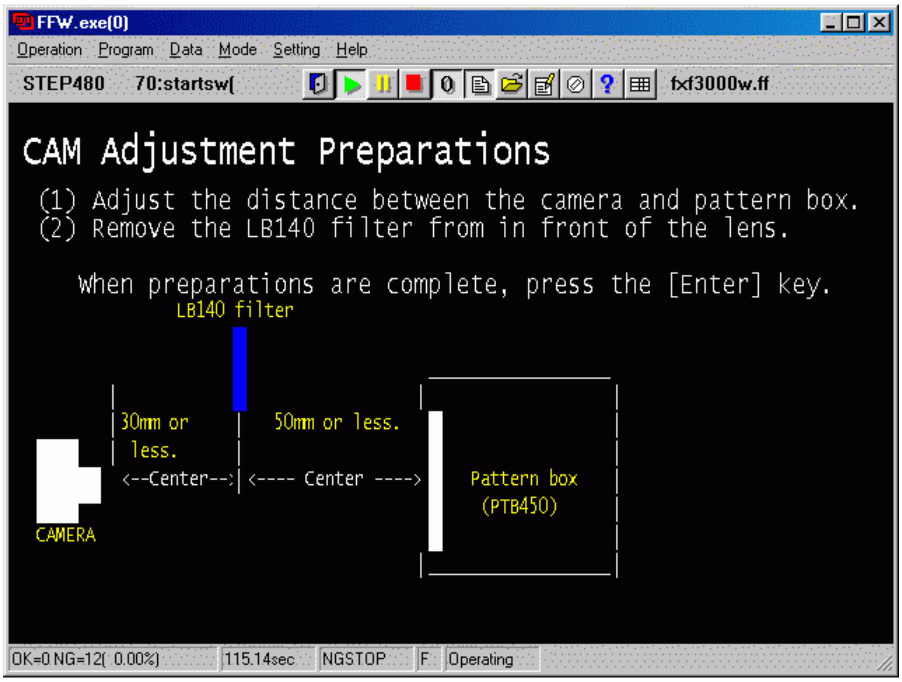
<Step 4>



<Fig. CAM3>

—> The [CAM Adjustment (without filter)] screen appears(Fig. CAM4).

<Step 5>



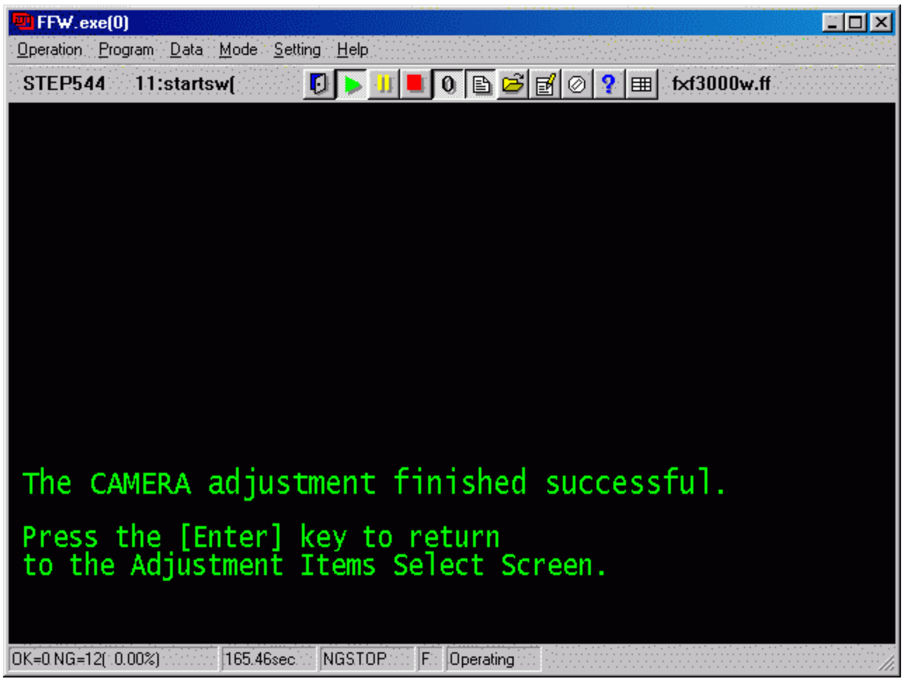
<Fig. CAM4>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.
—> The [CAM Adjustment Complete] screen appears(Fig. CAM5).

<Note>

CAM adjustment may be terminated if adjustment is continued without removing the LB140 filter. Always ensure that the LB140 filter is removed before proceeding with adjustment.

<Step 6>



<Fig. CAM5>

4-12. [F6] AF Adjustment

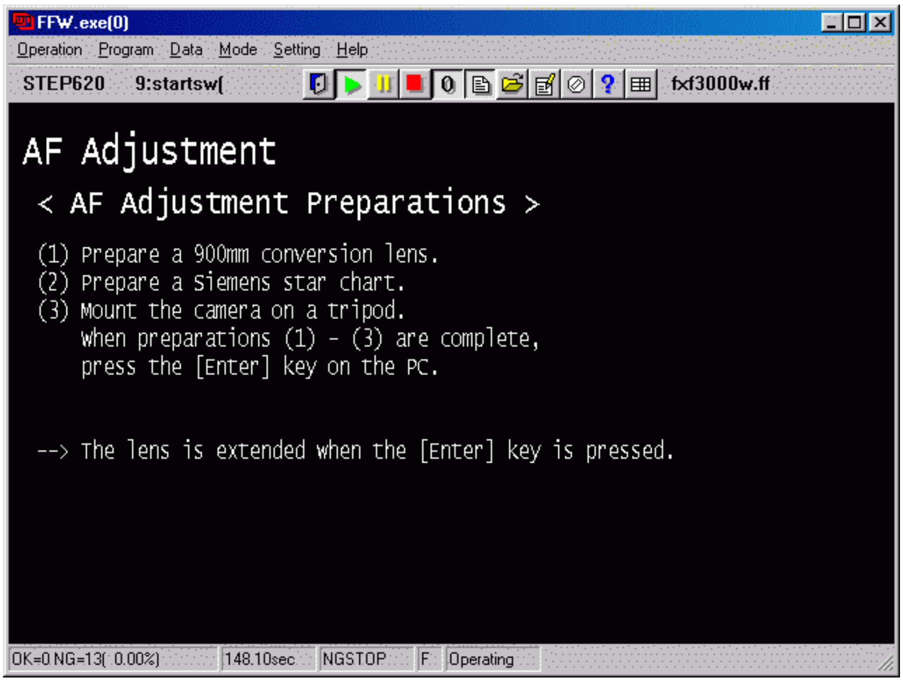
<Step 1>

Select [F6] AF Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [AF Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.



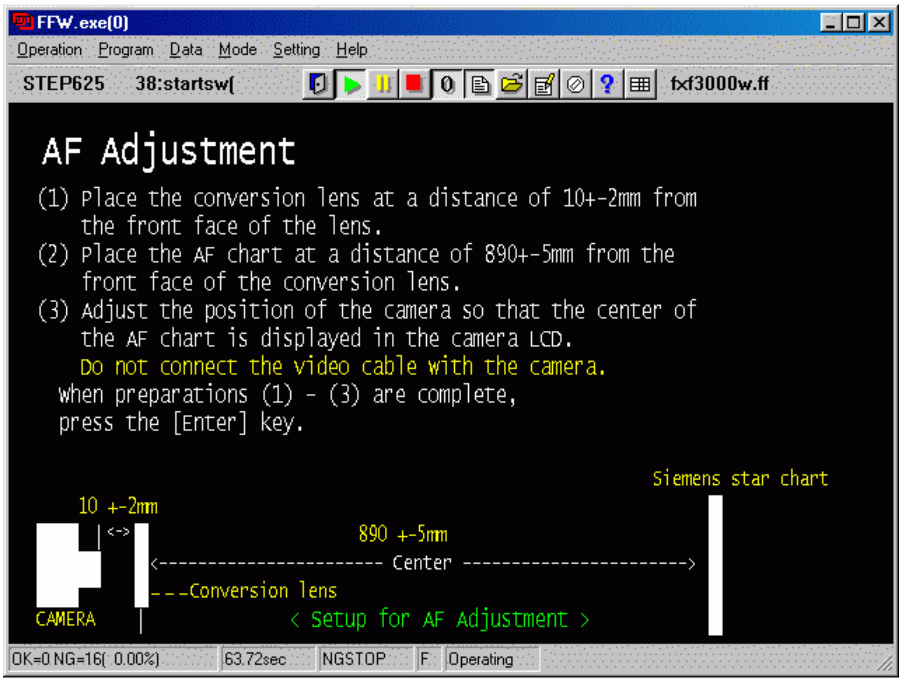
<Fig. AF1>

<Note>

Always use a 900mm conversion lens.

—> The [AF Adjustment Start] screen appears.

<Step 3>

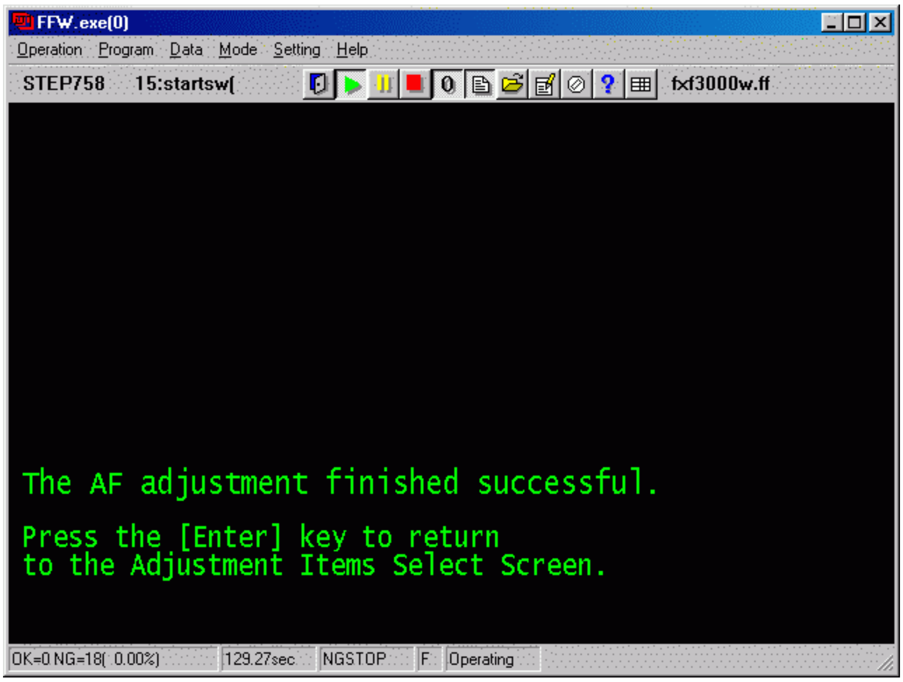


<Fig. AF2>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

—> The [AF Adjustment Complete] screen appears.

<Step 4>



<Fig. AF3>

4-13. [F1] Battery Voltage Adjustment

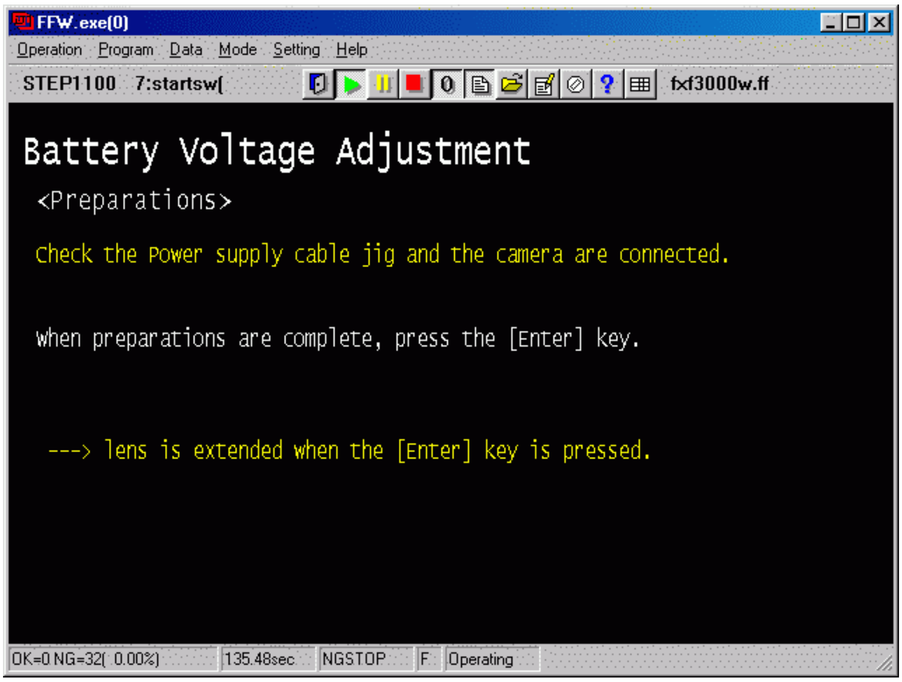
<Step 1>

Select [F1] Battery Voltage Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [Battery Voltage Adjustment Preparation] screen appears.

<Step 2>

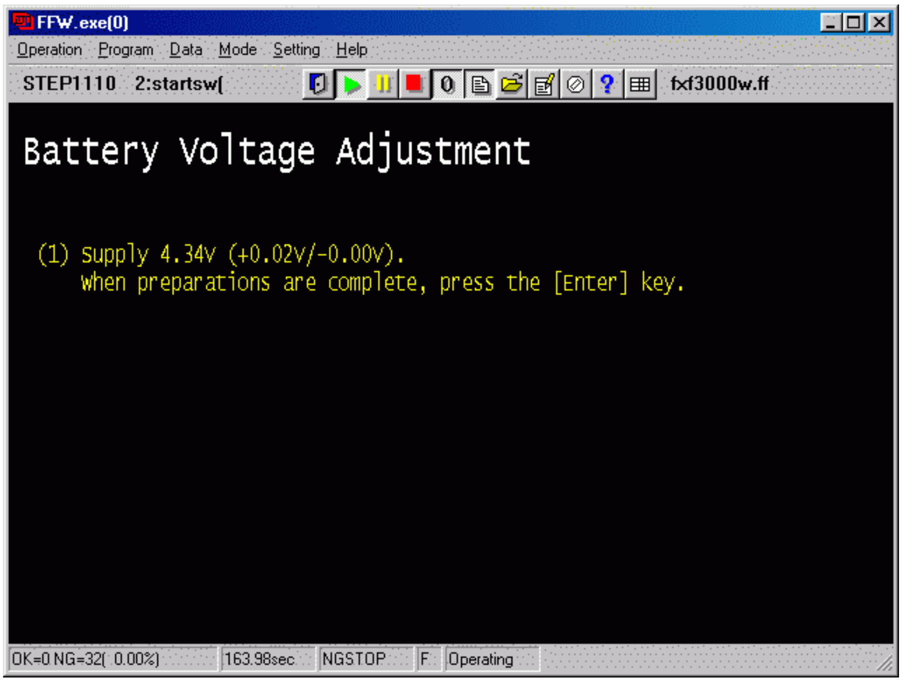
Run the adjustment in accordance with the instructions on the screen.



<Fig. BATT1>

—> The [4.34V Input] screen appears.

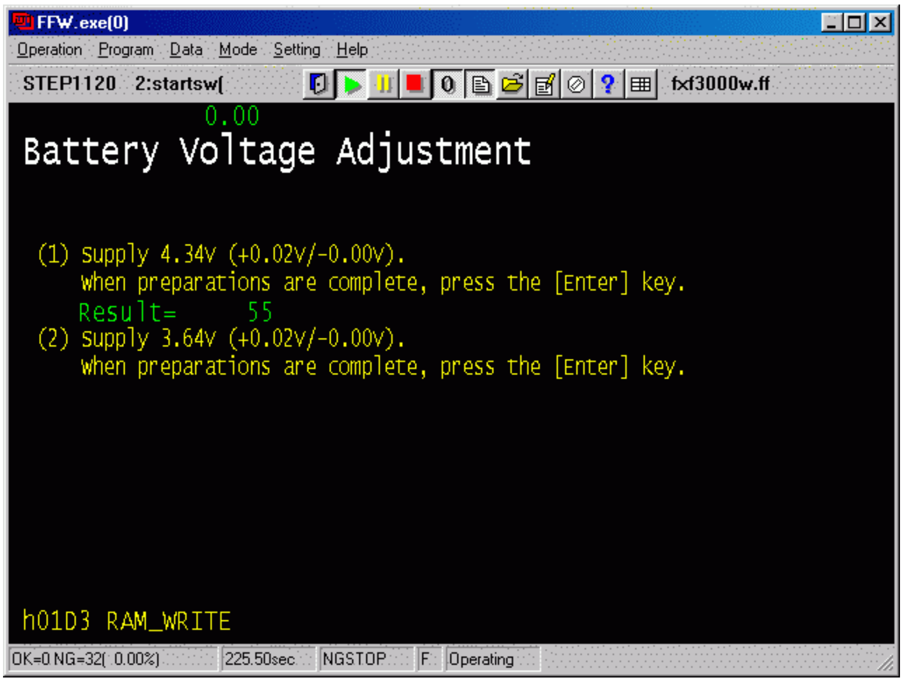
<Step 3>



<Fig. BATT2>

—> The [3.64V Input] screen appears.

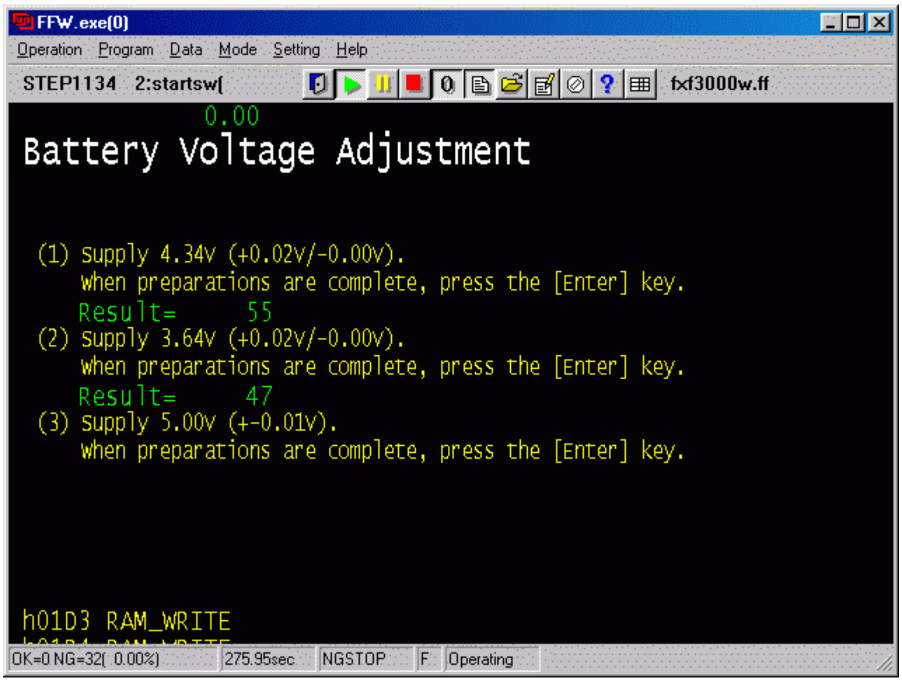
<Step 4>



<Fig. BATT3>

—> The [5.00V Input] screen appears.

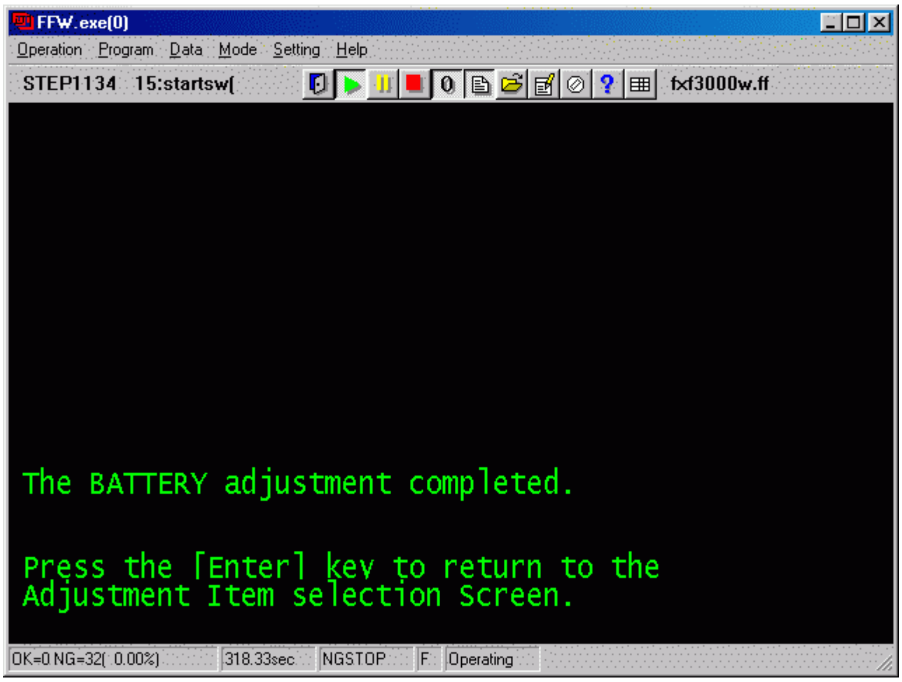
<Step 5>



<Fig. BATT4>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.
—> The [Battery Voltage Adjustment Complete] screen appears.

<Step 6>



<Fig. BATT5>

4-14. [F3] LCD Adjustment

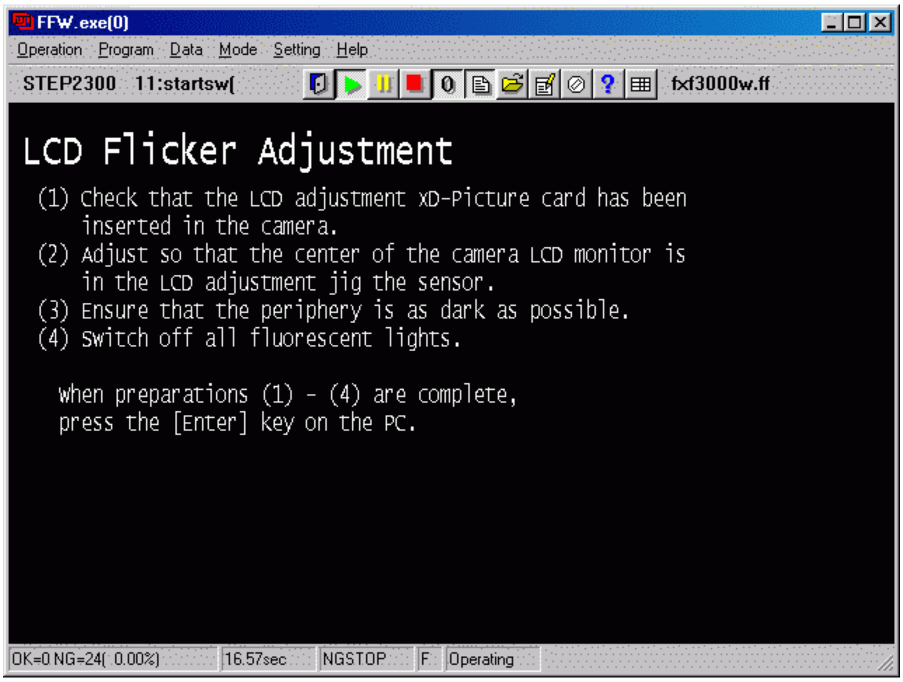
<Step 1>

Select [F3] LCD Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [LCD Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.



<Fig. LCD1>

<Note>

(1) Refer to the Setup Manual supplied with the jig for details of setting up the LCD automatic adjustment jig with the PC.

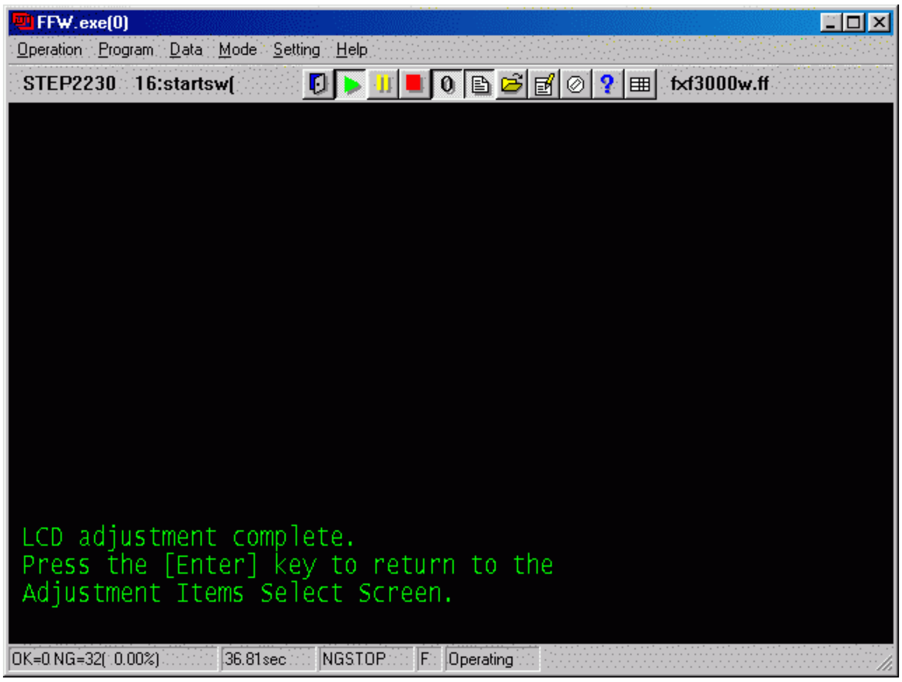
(2) If the LCD flicker image xD-Picture card has not been inserted in the camera, return to the [Jig Mode Setup] screen, select the Jig mode again, and run LCD Adjustment.

—> LCD Adjustment is executed.

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

—> The [LCD Adjustment Complete] screen appears.

<Step 3>



<Fig. LCD2>

4-15. [F7] Flash Adjustment

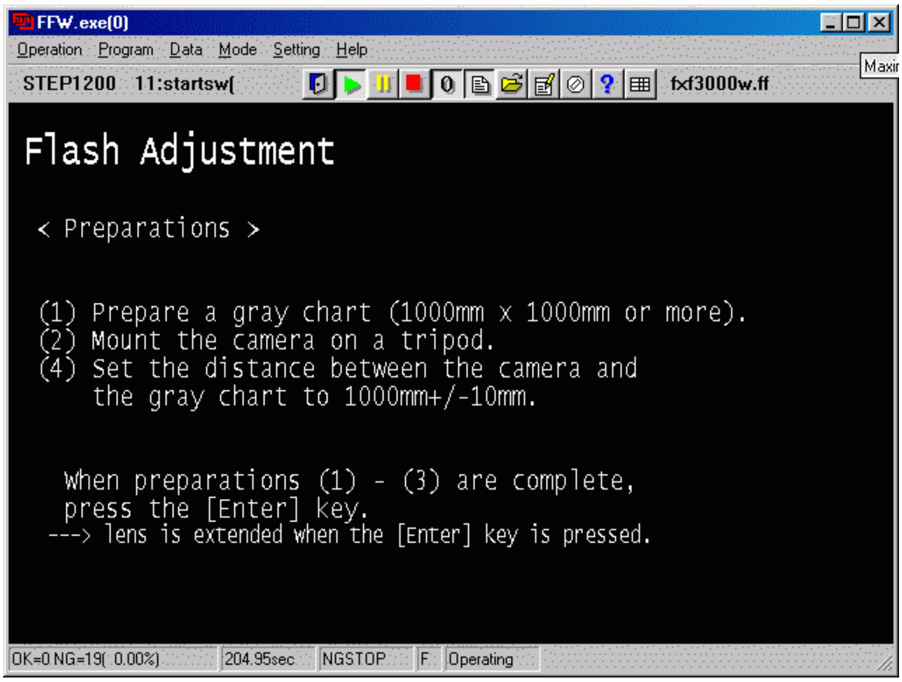
<Step 1>

Select [F7] Flash Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [Flash Adjustment Preparation] screen appears.

<Step 2>

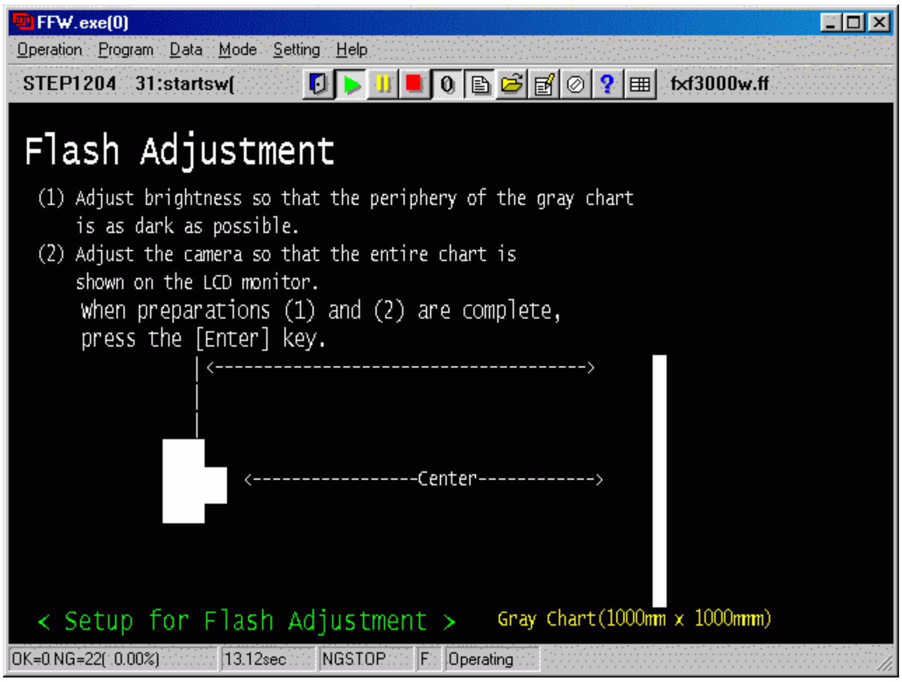
Run the adjustment in accordance with the instructions on the screen.



<Fig. FLASH1>

—> The [Flash Adjustment Start] screen appears.

<Step 3>

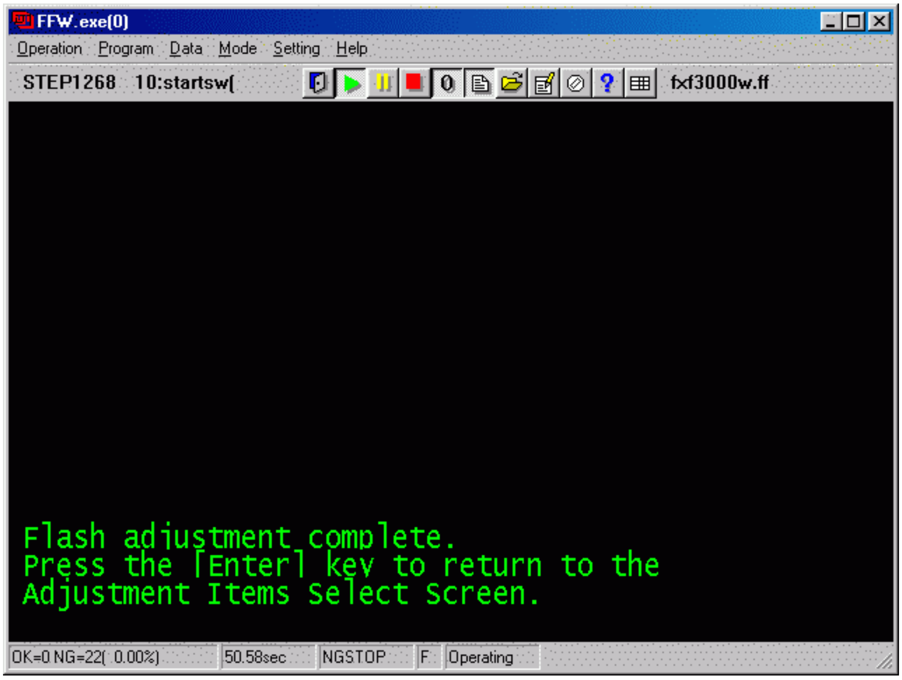


<Fig. FLASH2>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

—> The [Flash Adjustment Complete] screen appears.

<Step 4>



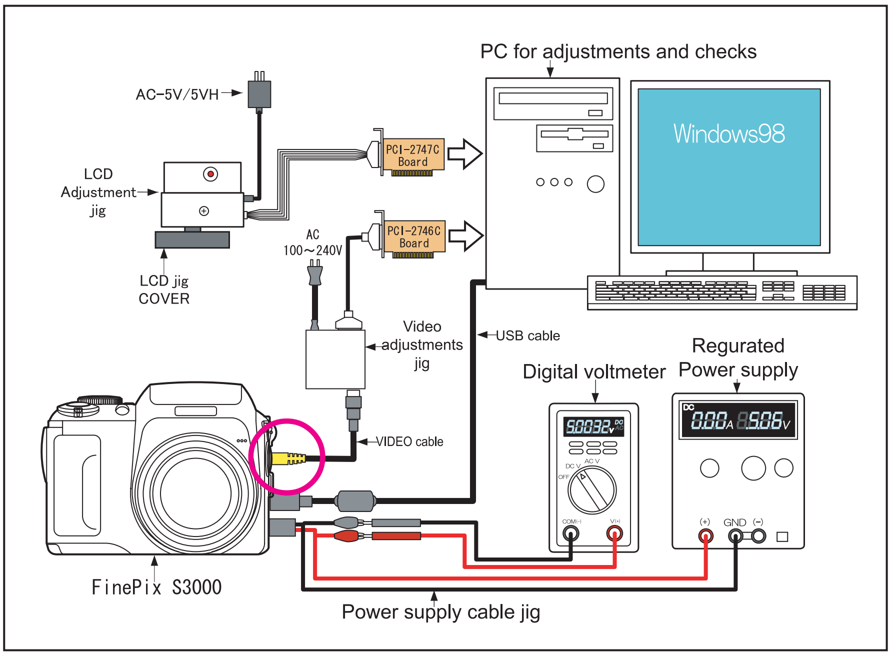
<Fig. FLASH3>

4-16.[F11] : Video Adjustment

< Setup for Video Adjustment >

(1) Set up the PCI-2746C board in the computer as explained in the instructions for the video adjustment box.

(2) If the waveform of the brightness signal (Y) or color signal (C) does not appear in the "WAVE No. 0" window during adjustments, check the connections of the video adjustment box.



<Fig. VIDEO1>

< Adjustment >

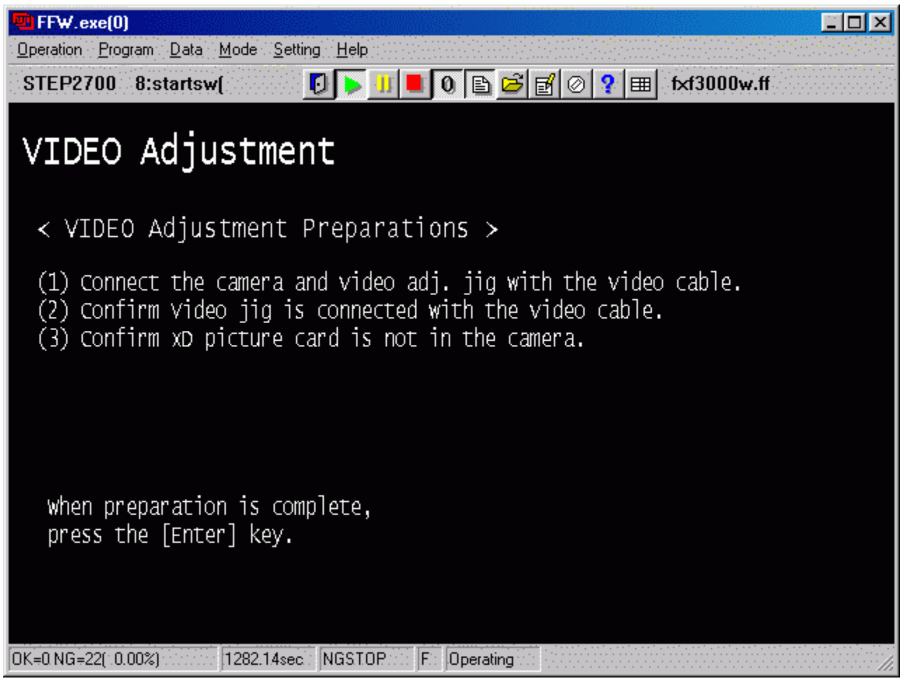
<Step 1>

Select [F11] Video Adjustment on the [Adjustment Items Select] screen (Fig.5).

—> The [Video Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

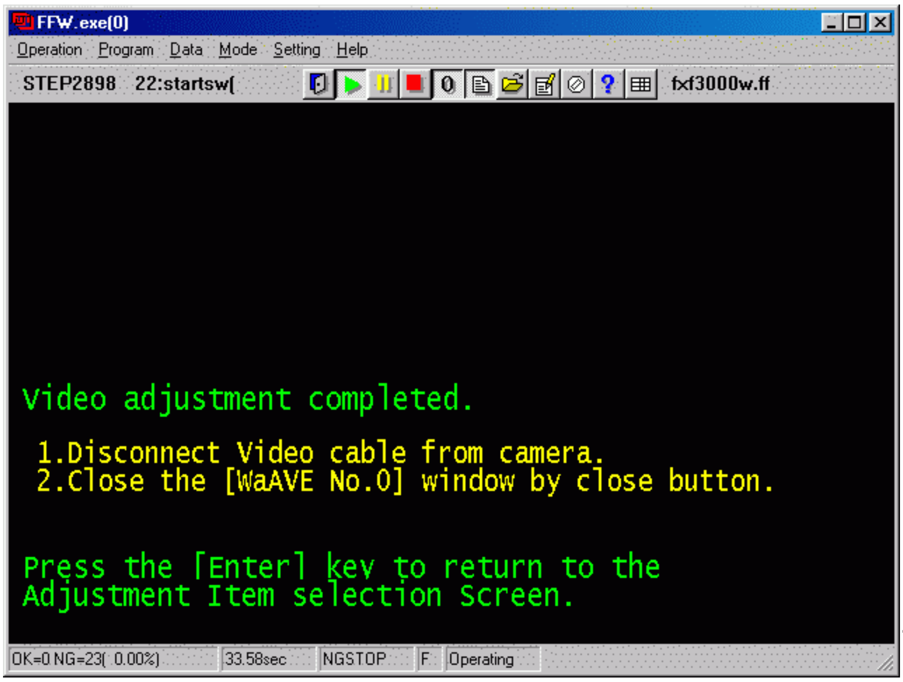


<Fig. VIDEO2>

—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

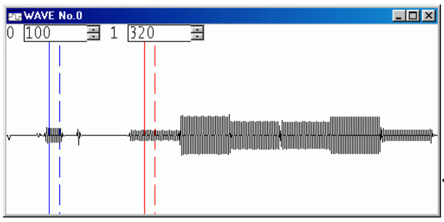
—> The [Flash Adjustment Complete] screen appears.

<Step 3>



<Fig. VIDEO3>

—> Close the [WAVE No.0] window by close ☒ button.



<Fig. VIDEO4>

4-17. [F12] : End Setting

(Destination setting, USB ID write, Product mode setting)

(1) The setting must always be run when the adjustment software is terminated.

(2) Failure to run Terminal Setting will prevent identification as Mass Storage when the camera is connected to the PC.

(3) USB ID write requires that the USB device (in this case FinePix A205) be unique throughout the world.

(4) For this reason, each device has a unique ID as determined by the USB standard.

(5) If multiple devices with the same USB ID are connected to a single PC, the PC will be unable to identify each USB device, thus preventing operation.

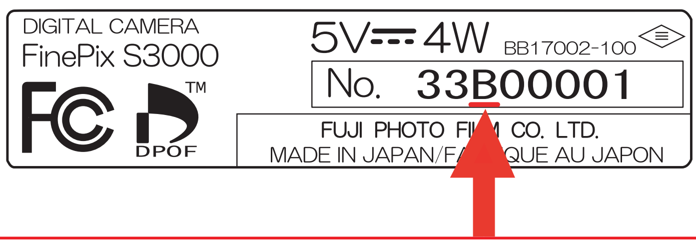
(6) Automatically written USB IDs are as follows.

Item	Details	
Repair Date	Date information is acquired from the PC and written.	
Administrator ID	C(43)	
Repair Station		
	U.S.:61(a)	SAPPORO:30(0)
	Canada:62(b)	SENDAI:31(1)
	Hawaii:63(c)	TOKYO:33(3)
	Taiwan:64(d)	NAGAYA:34(4)
	England:66(f)	OOSAKA:35(5)
	Germany:67(g)	HIROSIMA:37(7)
	France:68(h)	HUKUOKA:38(8)
	Spain:69(i)	
	Italy:6A(j)	
	Netherlands:6B(k)	
	Belgium:6C(l)	
	Sweden:6D(m)	
	Switzerland:6E(n)	
	Norway:6F(o)	
	Finland:70(p)	
	Singapore:71(q)	
	CHAINA:74(t)	
	Others:7A(z)	
Repair Serial No.	A serial No. is assigned automatically and written	

<Step 1>

Inducing is distinguished from the serial number of the product label.

US / CA / EU / EG / GE / AS MODEL



The third character from left side of the serial number shows the destination.

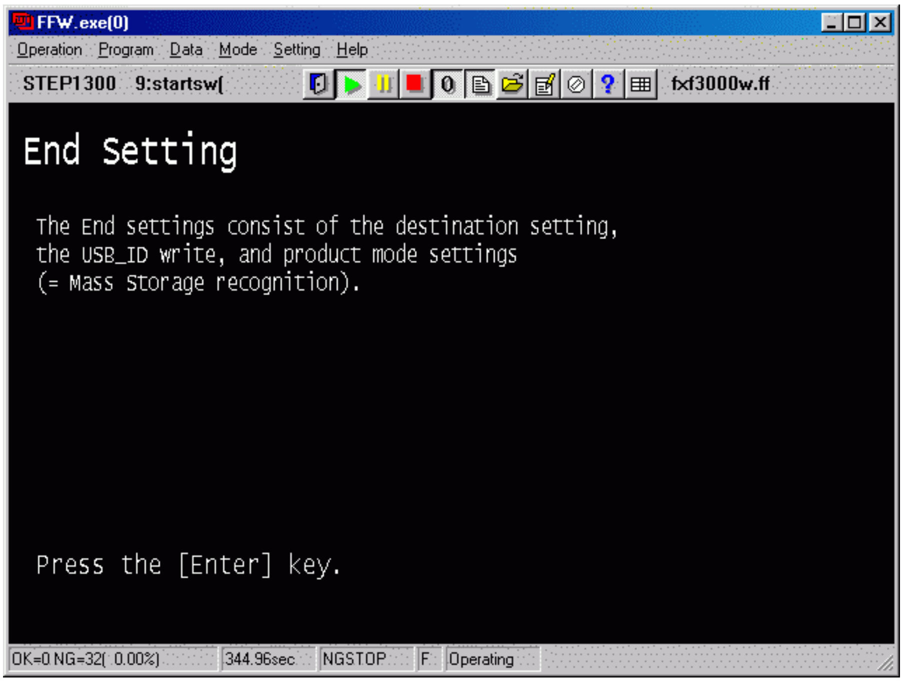
<Step 2>

Select [F12] End Setting on the [Adjustment Items Select] screen (Fig.5).

—> The [End Setting Description] screen appears.

<Step 3>

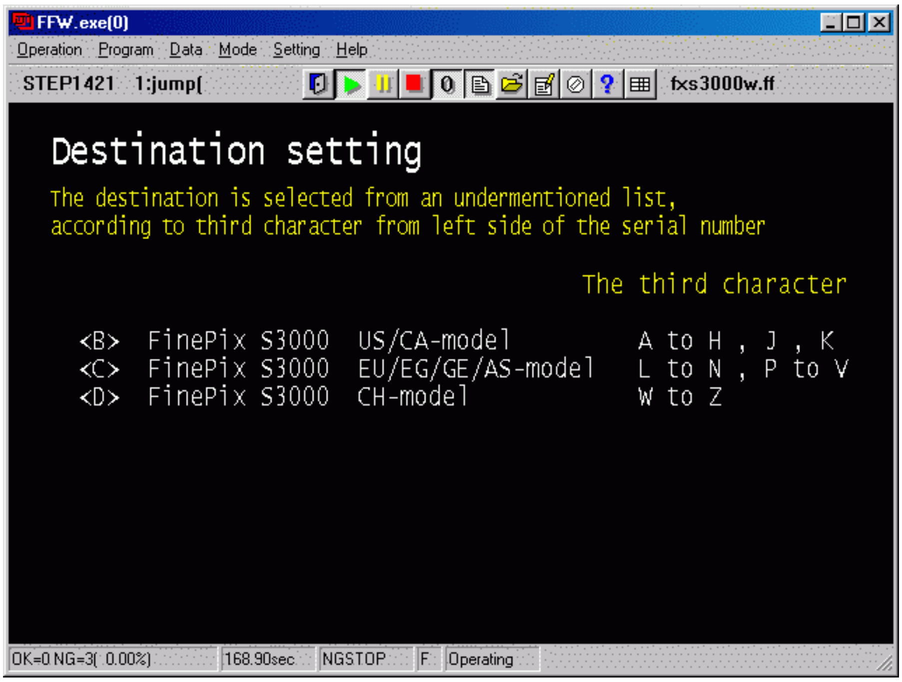
Run the adjustment in accordance with the instructions on the screen.



<Fig. END1>

—> The [Destination Setting] screen appears.

<Step 4>



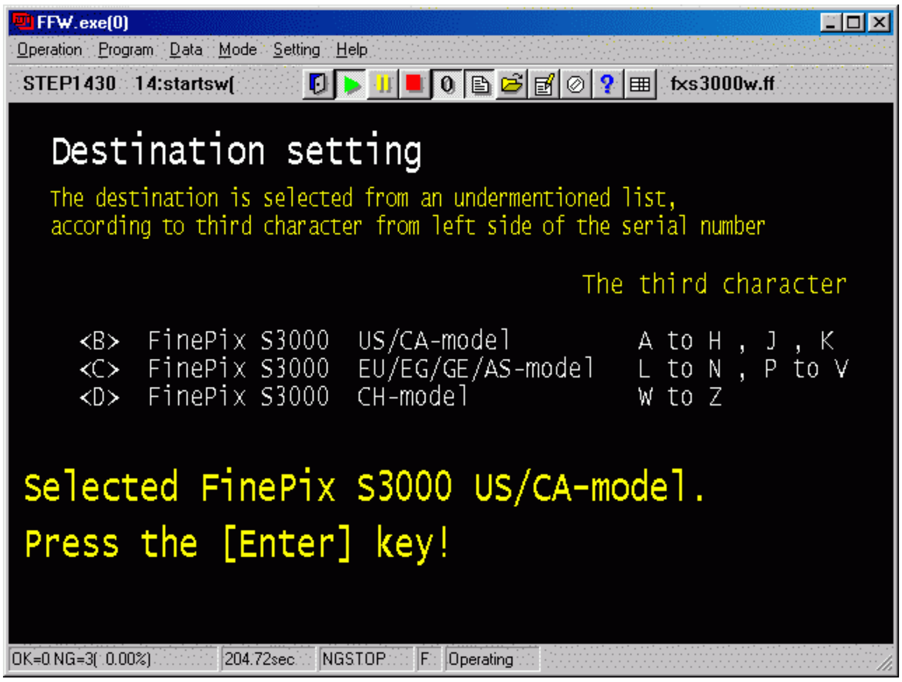
<Fig. END2>

<Note>

This example assumes that <B>US-Model has been selected. The following screen therefore appears.

—> The [US-Model selected] screen appears.

<Step 5>



<Fig. END3>

—> The [USB ID Writing] screen appears.

<Step 6>



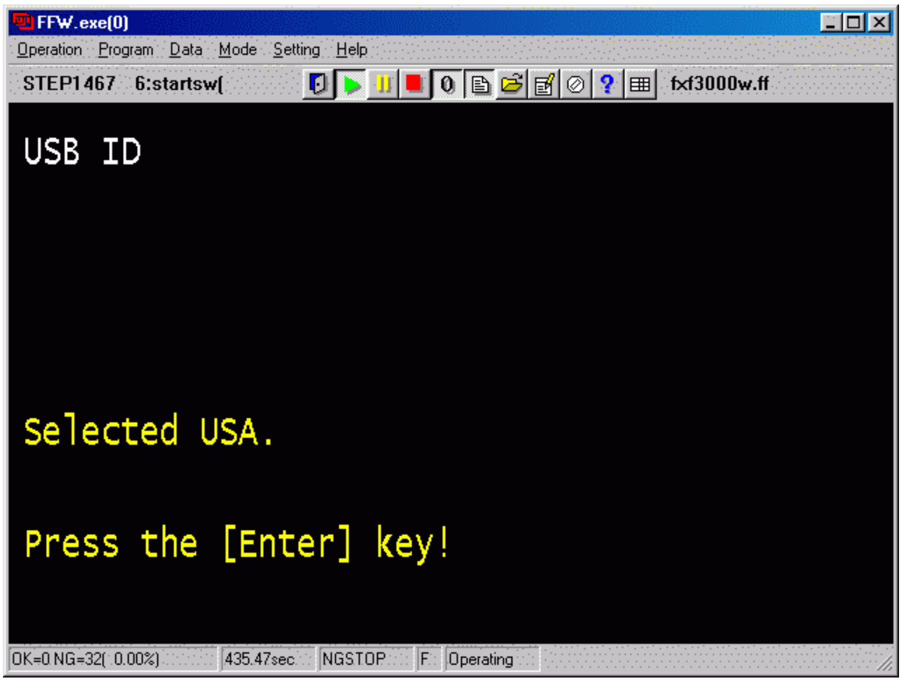
<Fig. END4>

<Note>

This example assumes that <H>USA has been selected. The following screen therefore appears.

—> The [USA_ID USA] screen appears.

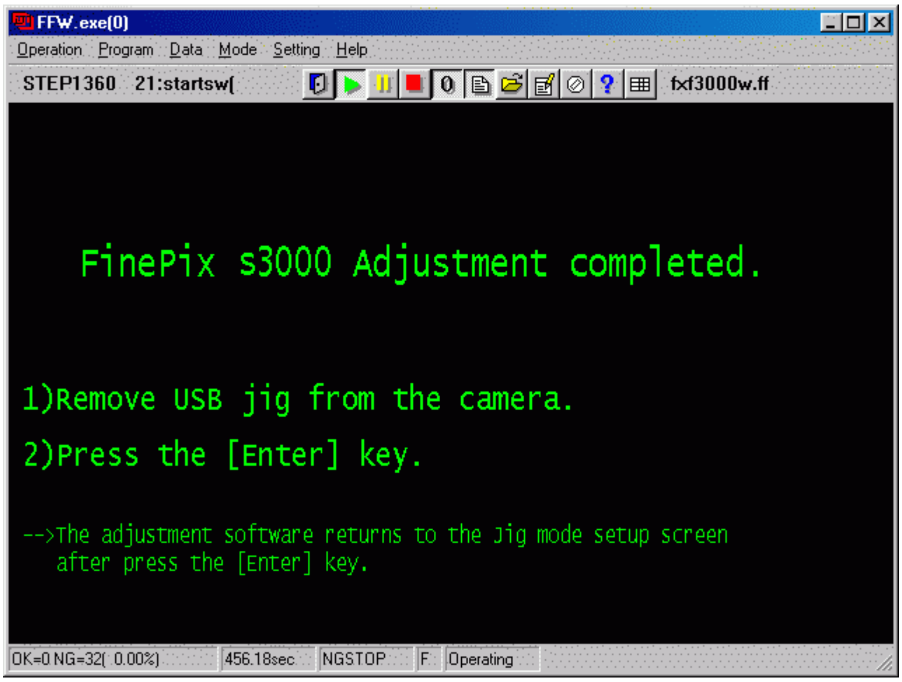
<Step 6>



<Fig. END5>

—> The [FinePix F3000 Adjustment Complete] screen appears.

<Step 7>



<Fig. END6>

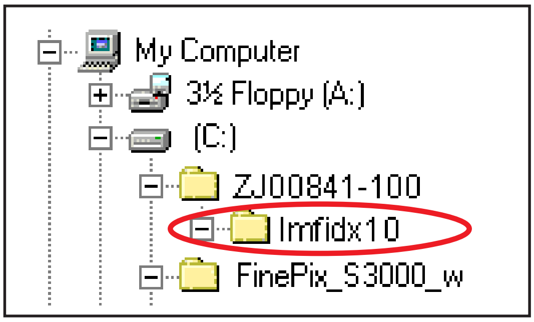
★4-18. [F8] Firmware Download

[Download and Extract]

1) Download the firmware(archived file) from Web server (http://fujifilm-di.intranets.com/).
2) Extract the downloaded archived firmware.
3) The folder named **ZJ00841-100** can be made by simply defrosting(Fig .FIRM1).
4) The imfidx10 folder is include in the folder (**ZJ00841-100**).
5) The imfidx10 folder is copied onto xD picture card .

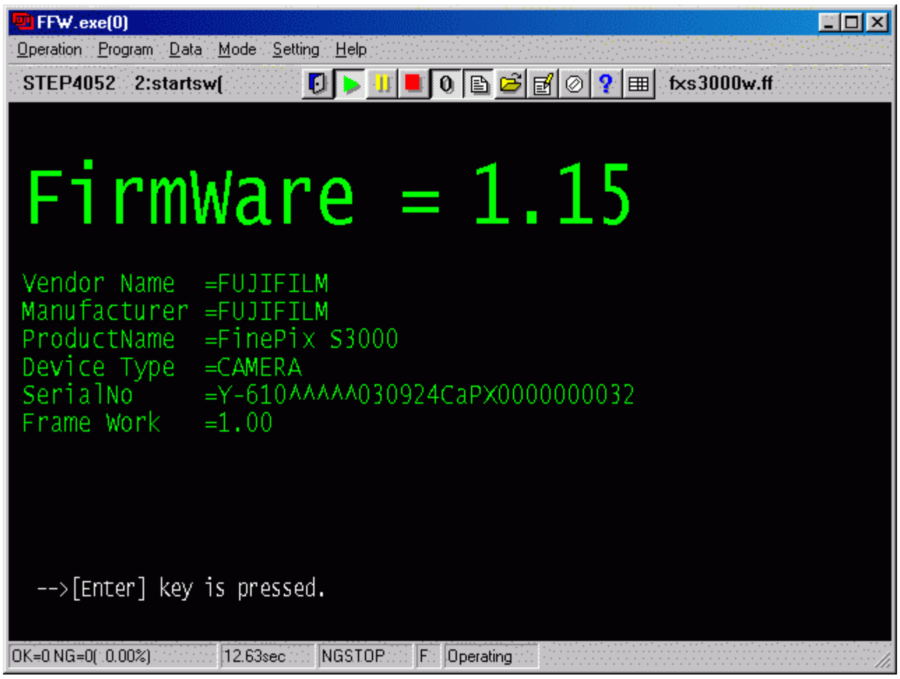
[Note]

The extract and the preservation method of the firmware are described as an example of FinePix S3000.
Firmware in this server is archived file of ZIP from.
Therefore, after downloading this archived file from the Web server, the extract of the file is necessary.
In the extract software, if the extract of the ZIP form can be done, any software is OK.
Please prepare each one the extract software.
As the Firmware is different in each model, the archived file name is also different.



<Fig. FIRM1>

(Caution)[Important]
***: Download should use xD picture card.**
***: Please format xD picture card with the camera.**
***: When the folder named imfidx10 is changed, the firmware cannot be download.**



<Fig. FIRM2>

[Caution]

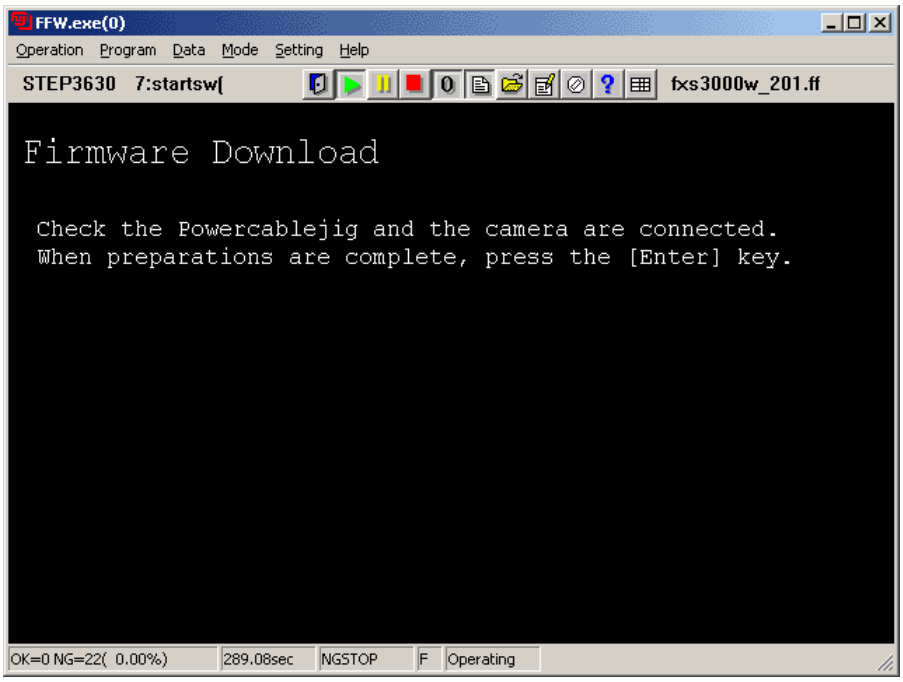
1. When downloading firmware, always insert a xD picture card containing the firmware to be downloaded in the camera before setting the camera in the Jig mode.
2. Check the firmware version by setting the camera in the Jig mode and checking on the displayed [Firmware Version Check Screen(Fig.FIRM2)]

★Revised AUG,11,2004

<Step 1>

Select [F8] Firmware Download on the [Adjustment Items Select] screen (Fig.5).

—> The [Firmware Download] screen appears.



<Fig. FIRM3>

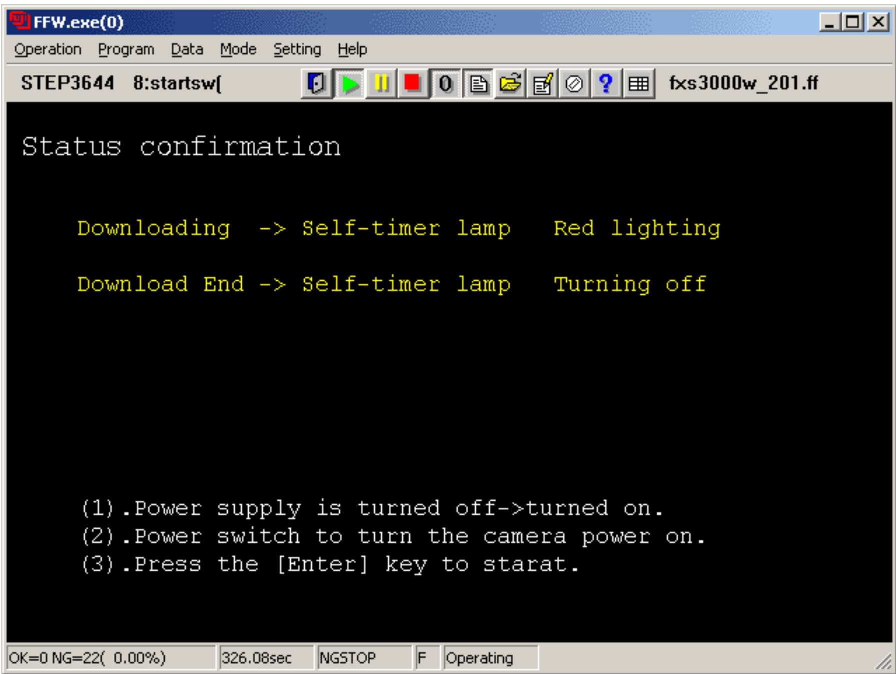
<Step 2>

Prepare the firmware download according to the instruction of the screen.

After completing the preparations, press the [Enter] key.

—>Start the firmware download.

—> The [Status confirmation] screen appears.(The download time is about 80 seconds.)



<Fig. FIRM4>

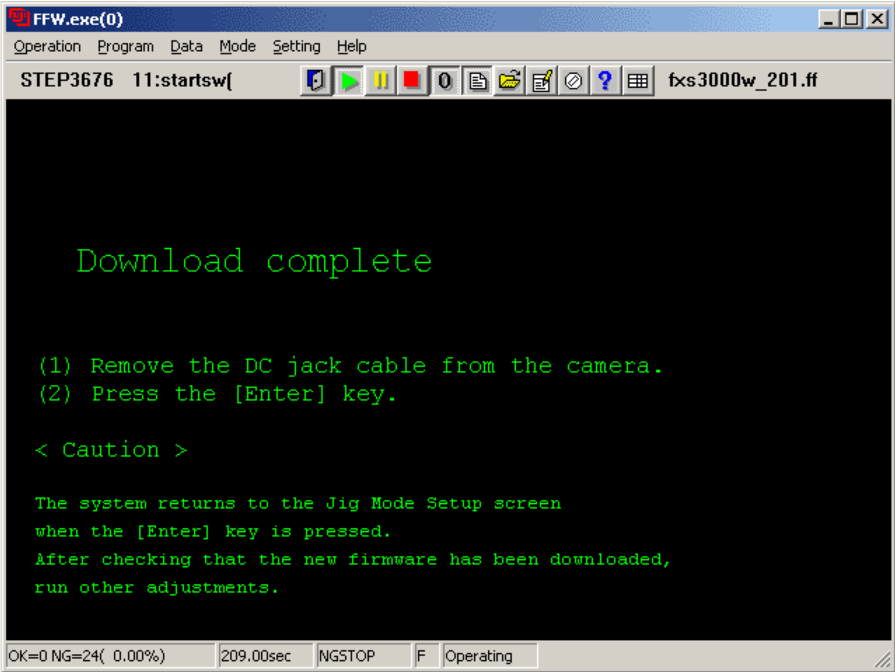
—>Execute power supply OFF/ON according to the instruction of the screen to make the downloaded firmware effective.

—> The [Download complete] screen appears.

<Step 3>

Turn off the power supply of the camera according to the instruction of the screen.

*The camera is started with the new firmware when power is switched OFF/ON.

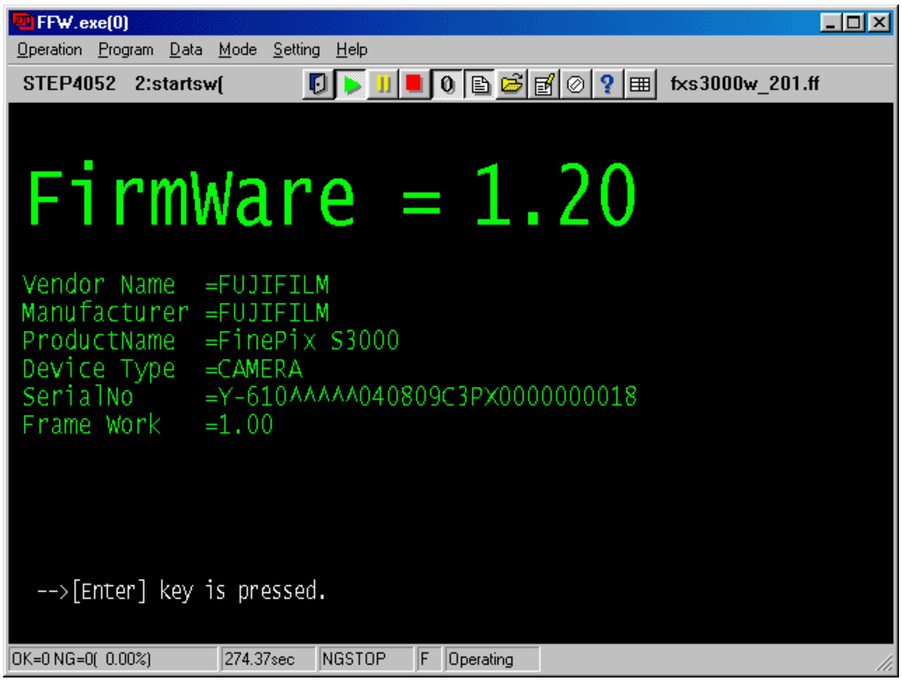


<Fig. FIRM5>

—> Press the [Enter] key to return to the "Initial Screen(Fig.2)".

<Step 4>

Turn on power in the JIG mode, and confirm the update to the latest firmware.



<Fig. FIRM6>

—> Execute the adjustment related to the repair continuously.

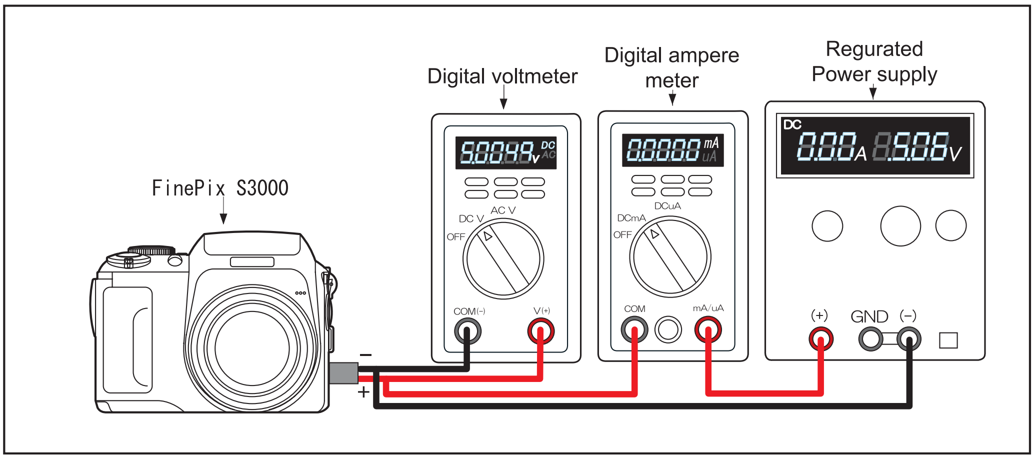
MEMO

5.Inspection

5-1.Required Measuring Equipment

Measuring equipment	Remarks
Power supply	AC adapter (AC-5VH / AC-5VHS), stabilized power supply
Digital voltmeter	For general use
Ammeter	For general use (able to measure 1mA or less)
power cable jig	For general use
xD-Picture card	For general use
TV-Monitor	For general use (Resolution 600 or more)

5-2.Connection of Measuring Equipment



5-3.Inspection and Factory Setting

Sequence	Check item	Mode	Preparations for adjustment (measurement point, subject, other)	Method of adjustment (VRs, waveforms, required, values)	Measuning equipment and jigs	Measurement point (VRs, position)
1	Externals		The camera is watched.	1)No problem with click action of swiches. 2)No dust or fogging of viewfinder. 3)No dust or fogging of LCD.		
2	Power supply switch	Auto photography LCD_ON	1)Set the battery in the camera. 2)The xD card is inserted,. 3)Close slot cover. 4)Set the mode dial. 5)Turn on the power swich. (POWER_ON) 6)Push the BACK button when the message to press the date setting appears. 7)Display state confirmation 8)CCD through picture bristletail confirmation	1)Applied voltage: 4.5V with for AA-sizeed batteries. 2)Recording check card. 4)Mord: Still image 5))Finder LED (green) lights and beep sound occurs. 6)<BACK> 7)Through picture and character are displayed. 8)Thing that doesn't darken when "Through image of camera" catches "High luminance object".		
3	Zoom operation		1)Zoom operation sound 2)Finder confirmation 3)Zoom T-W operation	1)There must not be Hira Boke. 2)It synchronizes with the zoom operation of the lens. 3)Operate smoothly.		
4	Auto shooting mode Shock noise	Auto photography LCD_ON	Give the camera body moderate shock.	Thing that LCD monitor is normally displayed Return even if there is synchronous disorder. Do not shake the lens and the battery cover part directly.		LCD moniter
5	Resolution Focus	Auto photography LCD_ON	1)Make subject a resolution chart for the macro. 2)Set it to the macro mode. 3)Flash Pop-Up/Down 4)Set up the camera so that the chart may become a full angle of field. 5)Push, and take a picture of the Shutter button.	2)Push the[Macro botton (left)]. 3)Push the[Pop-up botton] ->Flash Unit Push-down. 5)Finder LED > green lighting > orange lighting (recording) > green lighting.		
6	Movie(Recording)	Movieo photography LCD_ON	1)Change to the movie recording mode. 2)Shutter button Half on > All on All on > Haif on > Release >. 3)Half on after five seconds > Release.	"STANDBY" must be displayed in the LCD monitor. Start the movie recording."REC" display must appear in the LCD monitor. The movie recording ends, and it is recorded on the card.		
7	Movie (playback)	Playback	1)Change to the playback mode. 2)movie playback.	Play back the movie in the LCD monitor.		
8	Playback mode	Playback	1)Insert the xD Picture card in the camera. 2)Change to the playback mode. 3)Turn on the power swich. (POWER_ON) 4)Push the [BACK] button when the message to press the date setting appears. 5)Playback image confirmation	<BACK> Display the image recorded at the last. Display at the date must be the following order. “YYYY.MM.DD”		
9	Deletion mode	Delete	1)[ERASE] > [ALL ERASE] is selected from the menu and [MENU/OK] button is pushed. 2)Push [MENU/OK] button again.	"ERASE ALL OK?" The message must be displayed. record image is deleted.		
10	LCD	Playback	1)Play back all black image. 2)Play back all white image (75%).	There must be neither garbage nor a dirt defect that stands out in the screen.		

Sequence	Check item	Mode	Preparations for adjustment (measurement point, subject, other)	Method of adjustment (VRs, waveforms, required, values)	Measuning equipment and jigs	Measurement point (VRs, position)
11	Battery down (backup)	Playback	1)Connect the power cable jig with the camera. 2)Set the power-supply voltage. 3)Set the mode dial to the AUTO mode. Turn on the power switch (POWER_ON). 4)Flash unit pop-up->Push down. (backup confirmation) 5)Set the Priend voltage. 6)Set the end voltage.	5.0 +-0.3V 4.20+-0.02V (battery warning displayed.) 3.50+-0.02V (Lens retracts and main power swiched OFF.)	Power cable jig reguleted power supply	
12	Current consumption	Auto photography LCD-ON	1)Connect the power cable jig with the camera. 2)Set the power-supply voltage. 3)Set the mode dial in auto mode. Turn on the power switch. (POWER_ON) > (LCD_ON) 4)Current consumption confirmation .	5.0+-0.05V 450mA or less	Ammeter	
13	Video signal	Playback	1)video cable is connected with video Jack of the camera. 2)Play Back the Flash photographic image. 3)Play Back the macro resolution photographic image. 4)Remove the video cable from the camera.	2) Y-Level 50+10IRE(NTSC) / 350+-70mV(PAL) H-resolution:Center350TV/Line:Around300tv/line(NTSC) H-resolution:Center300TV/Line:Around250tv/line(PAL)		
14	Standby current	OFF	1)Connect the power cable jig with the camera. 2)Set the power-supply voltage. 3)Confirm the current at camera power off.	4.5 +-0.1V 1mA or less	Ammeter	
15	Factory setting		1)Power SW 2)Initial return factory setting. Each model's setting is [5-4. Factory setting] is confirmed. 3)Slot cover 4)Battery lid 5)Flash unit 6)Lens Shizdou and the barrier must shut. 7)Thing with which surface of LCD is not dirty. 8)Clean externals of the camera.	OFF mode Close Close Close		
				[Setting and clearing data.] 1)Connect the USB cable with PC that has installed the treatment device driver. 2)Connect the USB cable with the camera. 3)Turn on the power switch while pushing the shutter button with the battery cover opened. (POWER_ON) 4)Turn off the power switch. (POWER_OFF) 5)Confirm the date setting was cleared. *The operation of the PC side is unnecessary.		

5-4.Factory setting

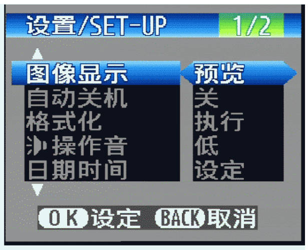
<table>
<tr><th>MODEL</th><th>US/CA</th><th>EU/EG/GE/AS</th><th>CH</th></tr>
<tr><td>FLASH</td><td colspan="3">AUTO</td></tr>
<tr><td>LCD-BRIGHTNESS</td><td colspan="3">Center</td></tr>
<tr><td>QUALITY</td><td colspan="3">1M(Still) / 320x240(Movie)</td></tr>
<tr><td>SHOOTING MODE</td><td colspan="3">AUTO</td></tr>
<tr><td>SELF-TIMER</td><td colspan="3">OFF</td></tr>
<tr><td>DATE/TIME</td><td colspan="3">YYYY.MM.DD</td></tr>
</table>

Setup screen

Page 1/2



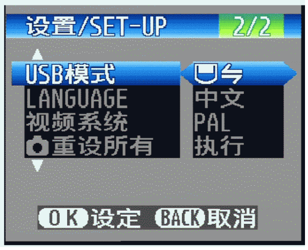




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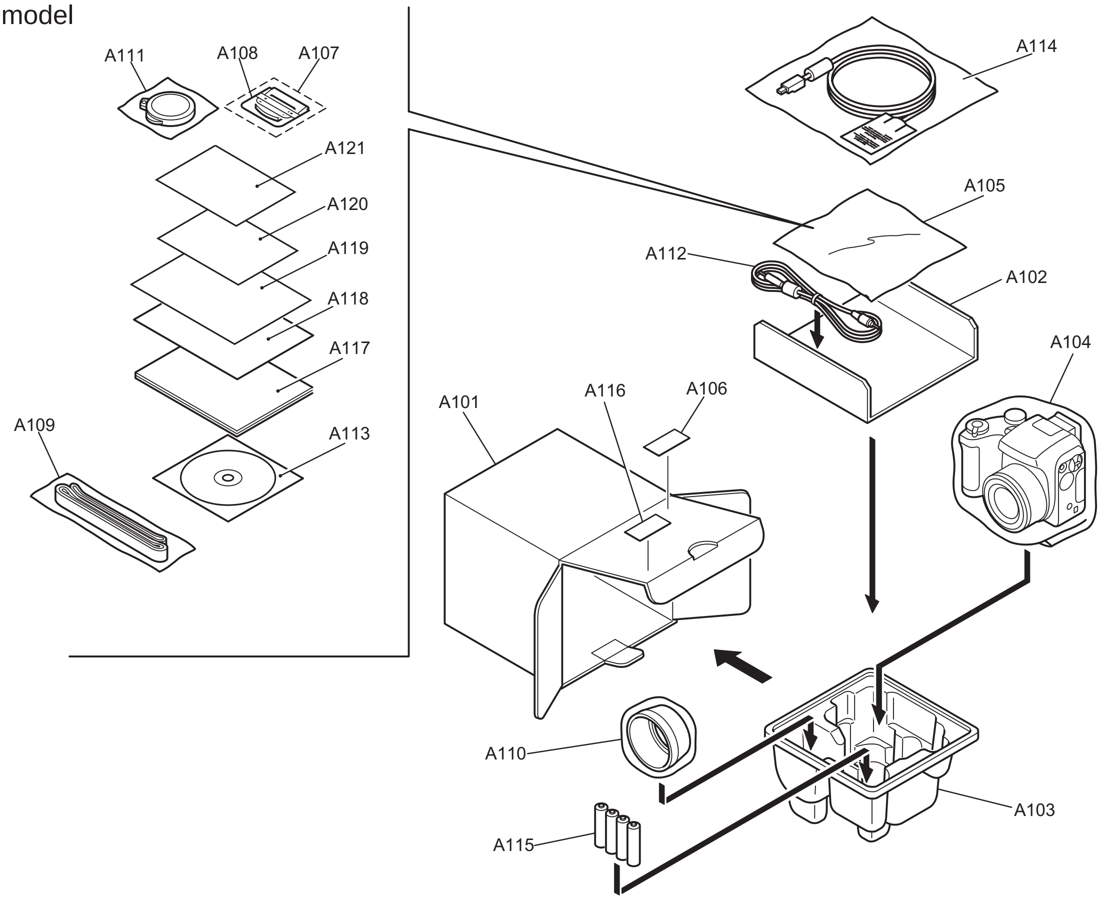




6.Parts list

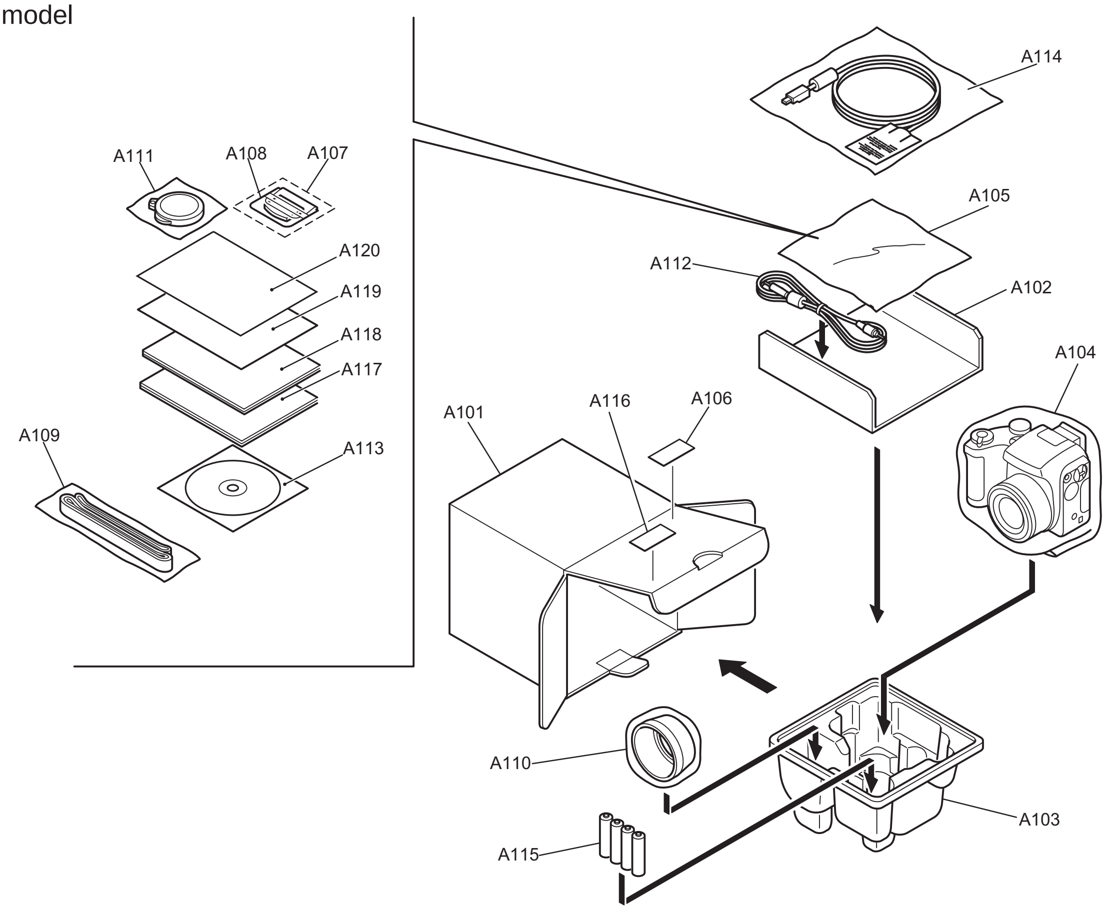
6-1.Packing and Accessoris

6-1-1.US model



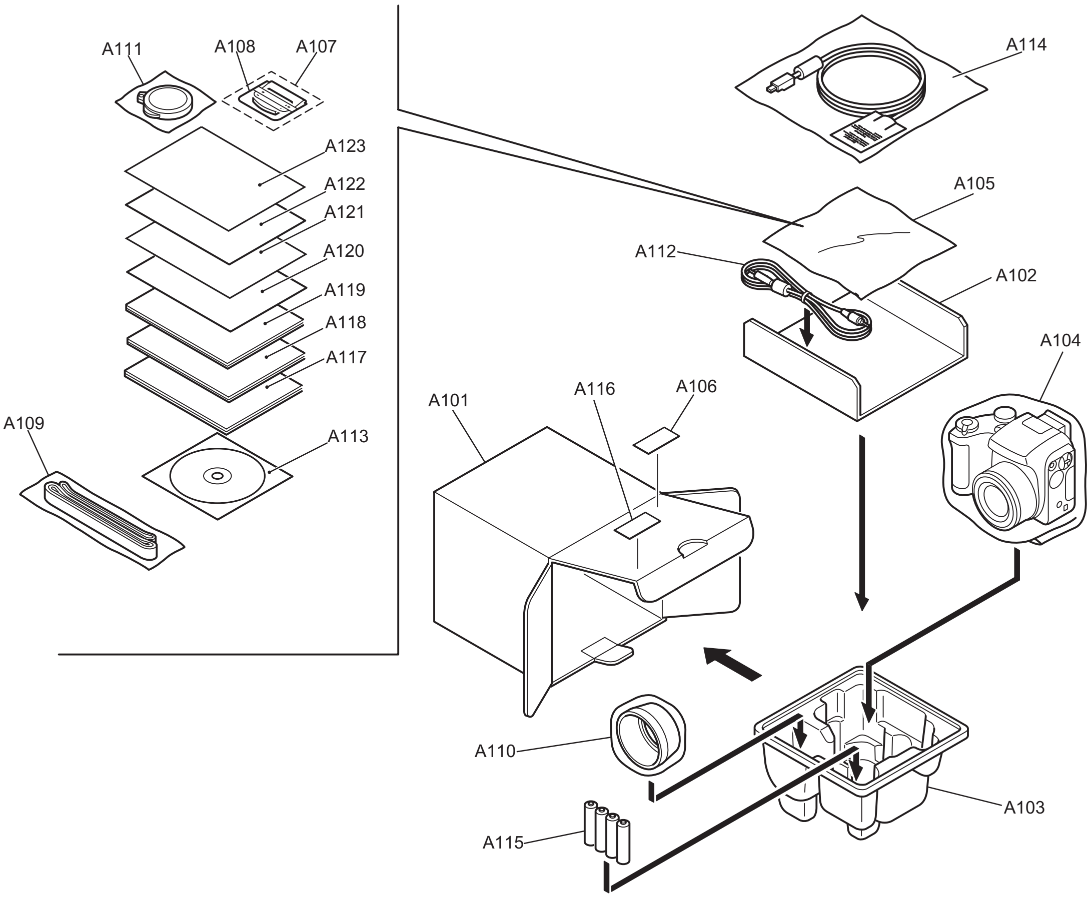
Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-100	DEST.LBL.3750US J FG	
A117	BL00332-200	MANUAL (ENG)	
A118	BL00333-200	QUICK MANUAL (ENG)	
A119	BL00333-500	QUICK MANUAL (SPA)	
A120	BB03538-200	IMPORTANT SAFETY	
A121	BB07792-101	WARRANTY US	

6-1-2.CA model



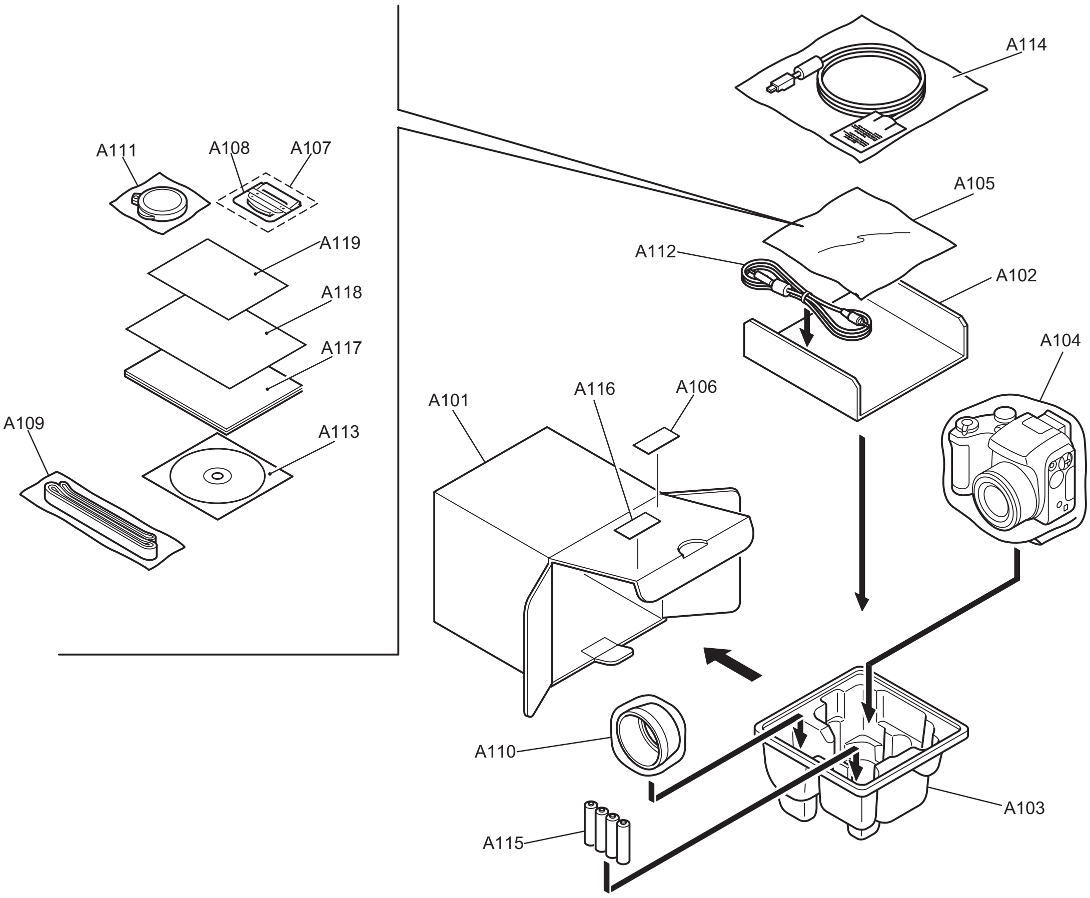
Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-400	DEST.LBL.3750CA J FG	
A117	BL00332-200	MANUAL (ENG)	
A118	BL00332-300	MANUAL (FRE)	
A119	BL00333-200	QUICK MANUAL (ENG)	
A120	BL00333-300	QUICK MANUAL (FRE)	

6-1-3.EU model



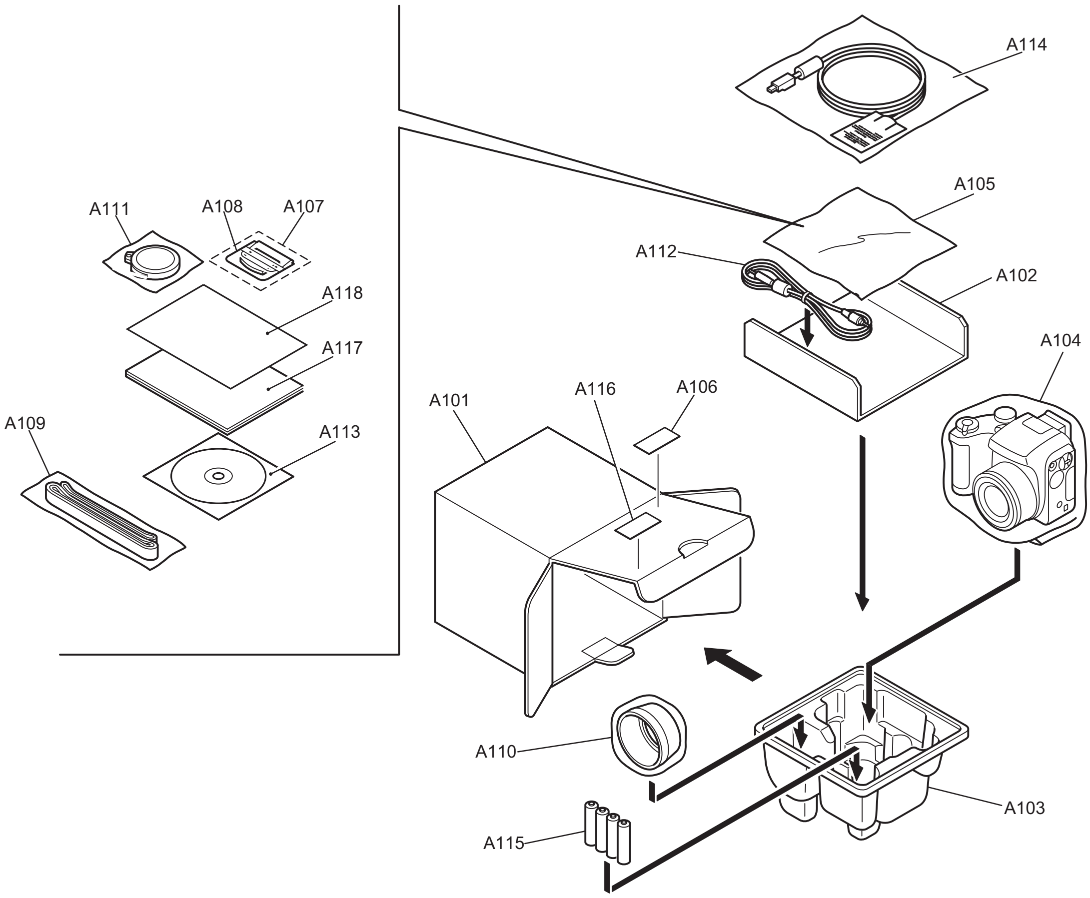
Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-200	DEST.LBL.3750EU J FG	
A117	BL00332-200	MANUAL (ENG)	
A118	BL00332-300	MANUAL (FRE)	
A119	BL00332-400	MANUAL (GER)	
A120	BL00333-200	QUICK MANUAL (ENG)	
A121	BL00333-300	QUICK MANUAL (FRE)	
A122	BL00333-400	QUICK MANUAL (GER)	
A123	BL00333-500	QUICK MANUAL (SPA)	

6-1-4.EG model



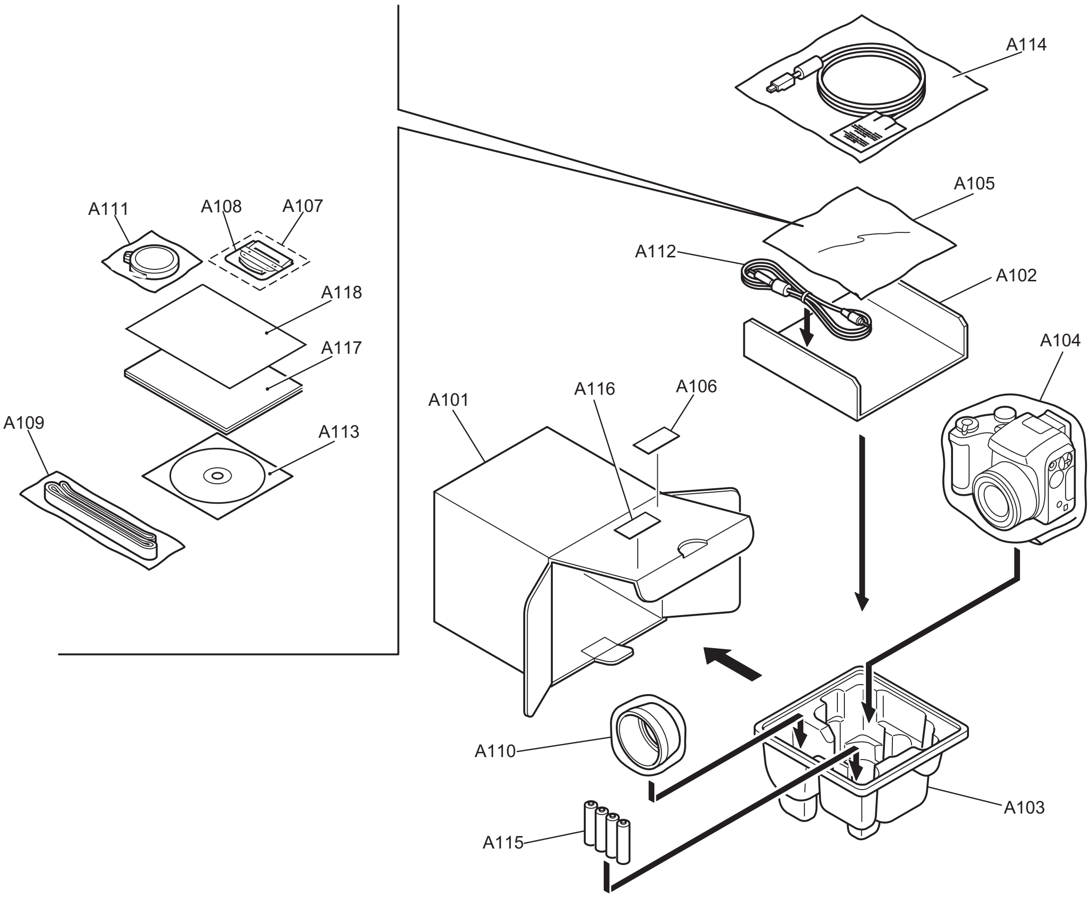
Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-300	DEST.LBL.3750EG J FG	
A117	BL00332-200	MANUAL (ENG)	
A118	BL00333-200	QUICK MANUAL (ENG)	
A119	BL00176-100	WARRANTY CARD EG	

6-1-5.GE model



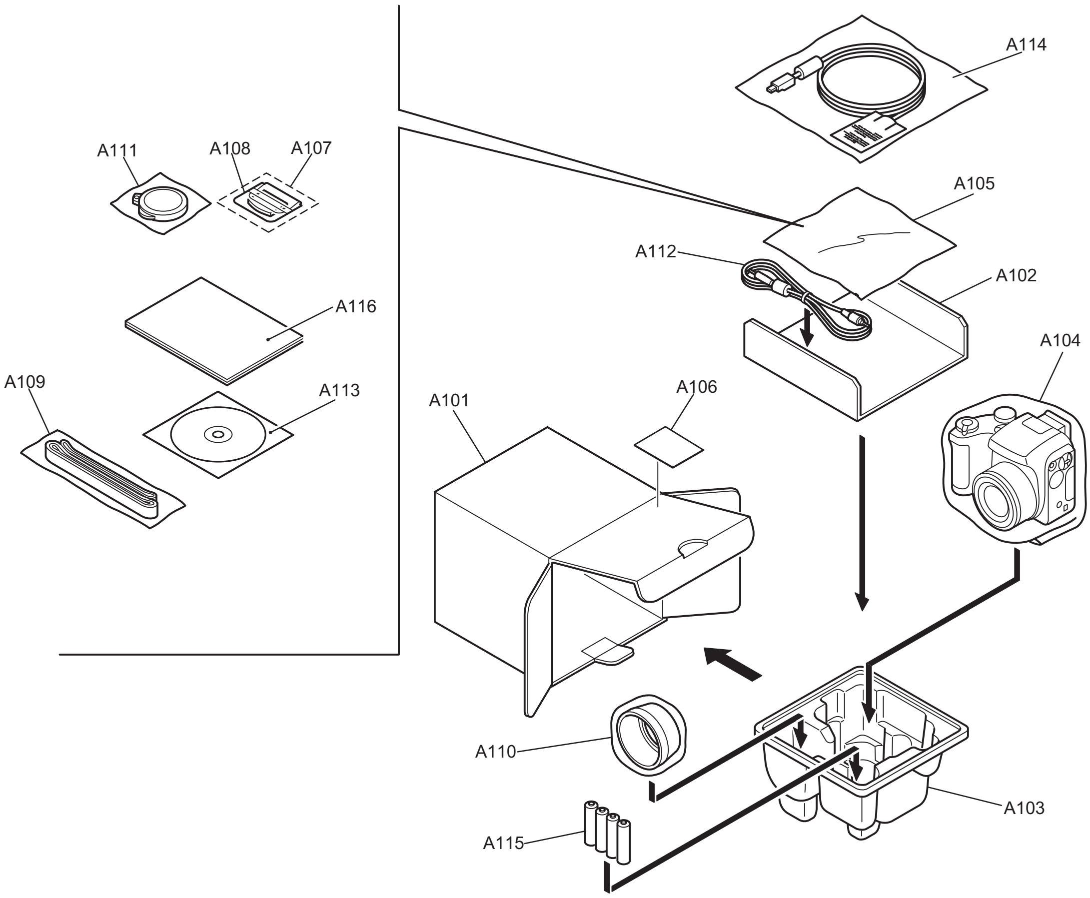
Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-500	DEST.LBL.3750GE J FG	
A117	BL00332-400	MANUAL (GER)	
A118	BL00333-400	QUICK MANUAL (GER)	

6-1-6.AS model



Ref No.	Parts No.	Description	Comment
A101	FZ05524-100	UNITARY BOX	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB12943-100	BAR CODE LABEL	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-100	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	LR6GA/4STH
A116	BB16930-600	DEST.LBL.3750AS J FG	
A117	BL00332-200	MANUAL (ENG)	
A118	BL00333-200	QUICK MANUAL (ENG)	

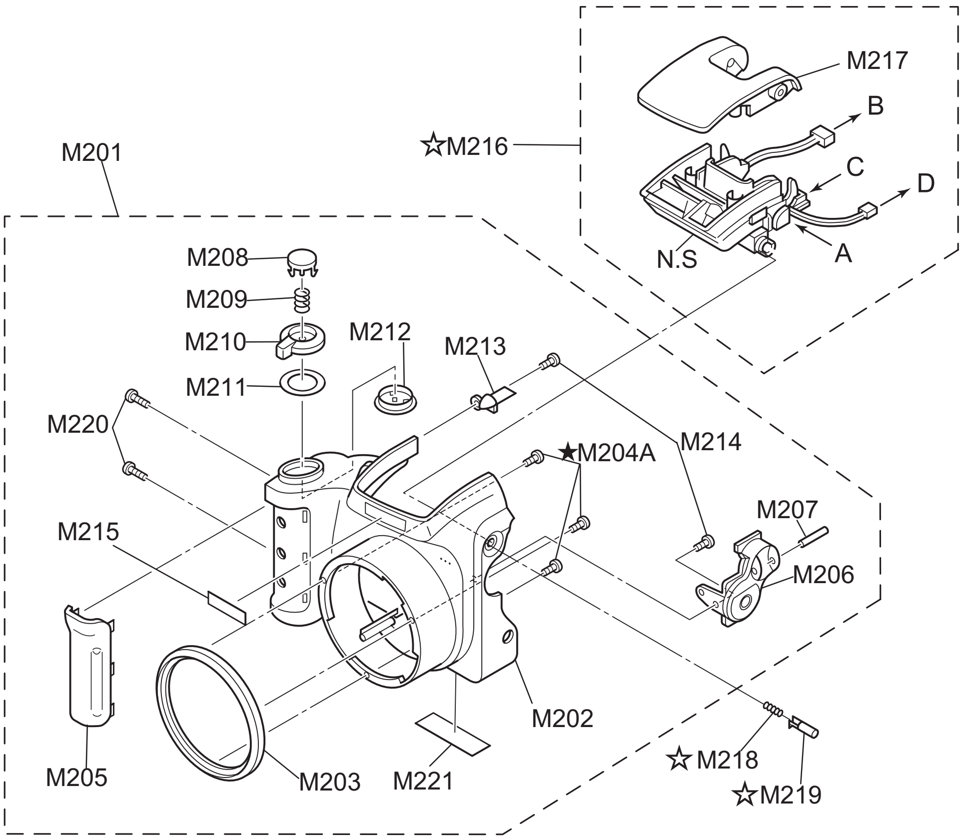
6-1-7.CH model



Ref No.	Parts No.	Description	Comment
A101	FZ05524-300	UNITARY BOX(CH)	
A102	FZ04942-100	PARTITION PAD	
A103	FZ04940-100	SHEET MOLD	
A104	AZF0000-311	BAG_PLASTIC_200X300_T=30_NO.11	
A105	AZF0000-101	BAG_PLASTIC_180X270_NO.10	
A106	BB06392-100	LABEL PLAIN 2	
A107	BF04146-100	XDCARD 16MB ASSY	
A108	BL00209-100	CASE	
A109	BU01927-100	SHOULDER BELT ASSY	
A110	BU02664-100	LENS HOOD ASSY	
A111	BU02690-200	LENS CAP ASSY	
A112	FZ05262-100	VIDEO CABLE	
A113	FZ05351-201	CD-ROM	
A114	FZ05579-100	USB CABLE	
A115	FZ04793-100	ALKALINE BATTERY	
A116	BL00332-600	MANUAL(CHA)	

6-2.Cabinet F block

6-2-1.US/CA/EU/EG/GE/AS-MODEL

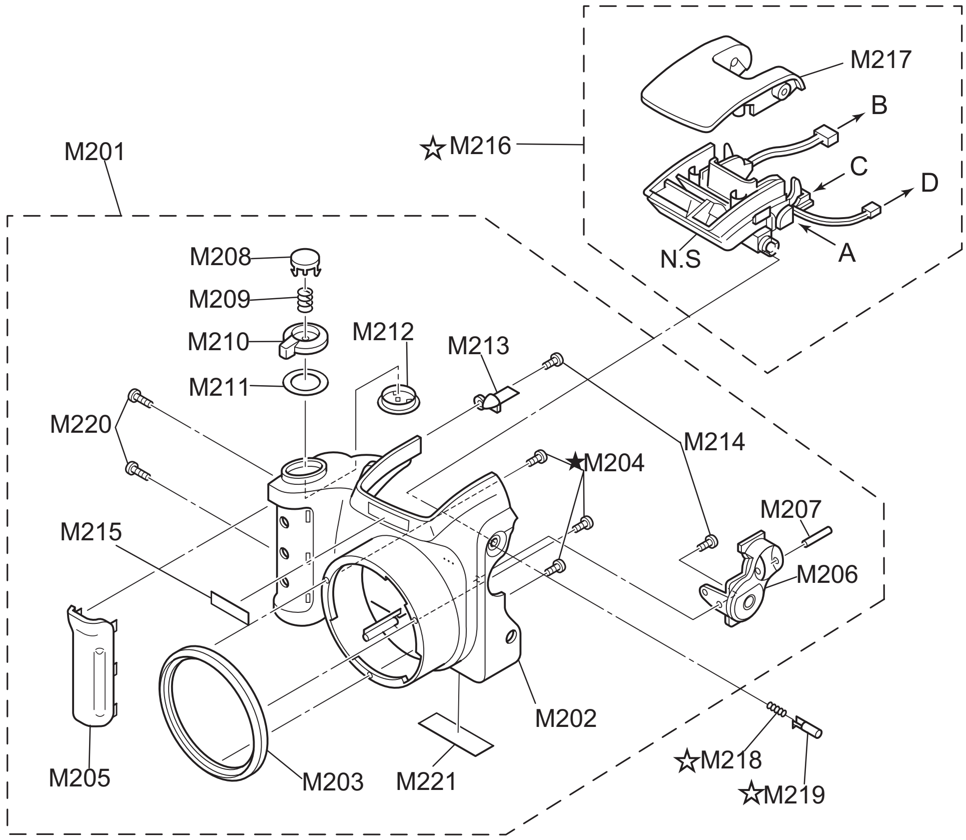


Ref No.	Parts No.	Description	Comment
M201	BU02660-300	CABI FRONT ASSY	ABS
M202	BB15020-200	CABI FRONT	ABS
M203	BB15021-100	LENS RING	
~~M204~~	~~ATA1425-0NN~~	~~SCREW_2P_M1.4X5.0_N_N~~	N.S
★M204A	BB17520-100	SCREW	
M205	BB15022-100	GRIP PARTS	
M206	BB16912-100	STRAP BASE(R)	
M207	BB15025-100	STRAP SHAFT R	
M208	BB15026-100	RELEASE BUTTON	
M209	BB12887-100	RELEASE SP	
M210	BB15028-100	RELEASE DIAL F	
M211	BB15587-100	RELEASE DIAL RING	
M212	BB15029-100	RELEASE HOLDER F	
M213	BB15030-100	TARY WINDOW	
M214	ATG1723-5ND	SCREW	
M215	BB15031-100	CI BADGE	
☆M216	BU02692-300	STROBE CONST	
M217	BB15061-300	ST TOP ABS/PC	
☆M218	BB15070-100	ST BUTTON CSP	
☆M219	BB15069-200	ST BUTTON	
M220	BB15982-100	3ULR BT2P 1.7*5.0GN	
M221	BB17002-100	PRODUCT LABEL	

Ref No.	Parts No.	Description	Comment

★Revised Jan, 16, 2004 ☆ Revised Jan, 13, 2004

6-2-2.CH-MODEL

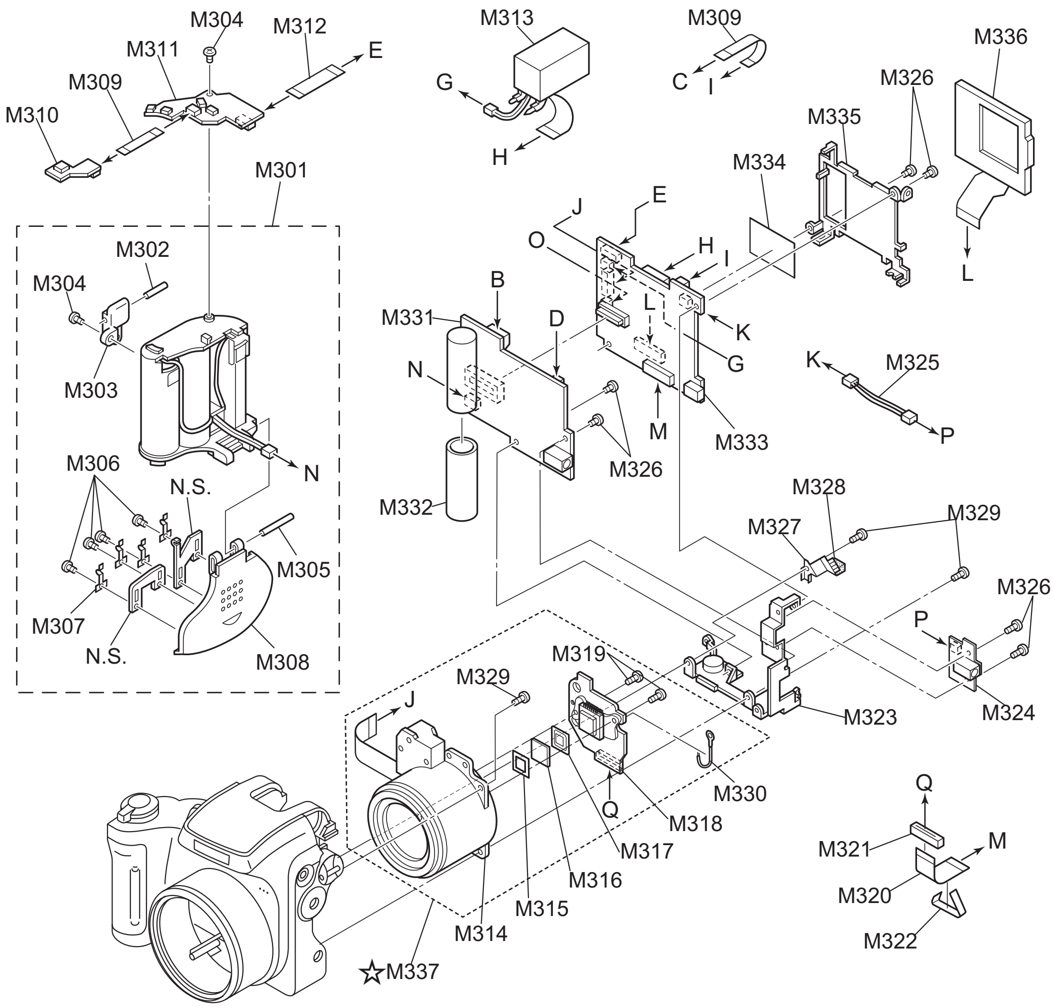


Ref No.	Parts No.	Description	Comment
M201	BU02660-300	CABI FRONT ASSY	ABS
M202	BB15020-200	CABI FRONT	ABS
M203	BB15021-100	LENS RING	
~~M204~~	~~ATA1425-0NN~~	~~SCREW_2P_M1.4X5.0_N_N~~	N.S
★M204A	BB17520-100	SCREW	
M205	BB15022-100	GRIP PARTS	
M206	BB16912-100	STRAP BASE(R)	
M207	BB15025-100	STRAP SHAFT R	
M208	BB15026-100	RELEASE BUTTON	
M209	BB12887-100	RELEASE SP	
M210	BB15028-100	RELEASE DIAL F	
M211	BB15587-100	RELEASE DIAL RING	
M212	BB15029-100	RELEASE HOLDER F	
M213	BB15030-100	TARY WINDOW	
M214	ATG1723-5ND	SCREW	
M215	BB15031-100	CI BADGE	
☆M216	BU02692-300	STROBE CONST	
M217	BB15061-300	ST TOP ABS/PC	
☆M218	BB15070-100	ST BUTTON CSP	
☆M219	BB15069-200	ST BUTTON	
M220	BB15982-100	3ULR BT2P 1.7*5.0GN	
M221	BB17002-300	PRODUCT LABEL (CH)	CH-MODEL

Ref No.	Parts No.	Description	Comment

★Revised Jan, 16, 2004 ☆ Revised Jan, 13, 2004

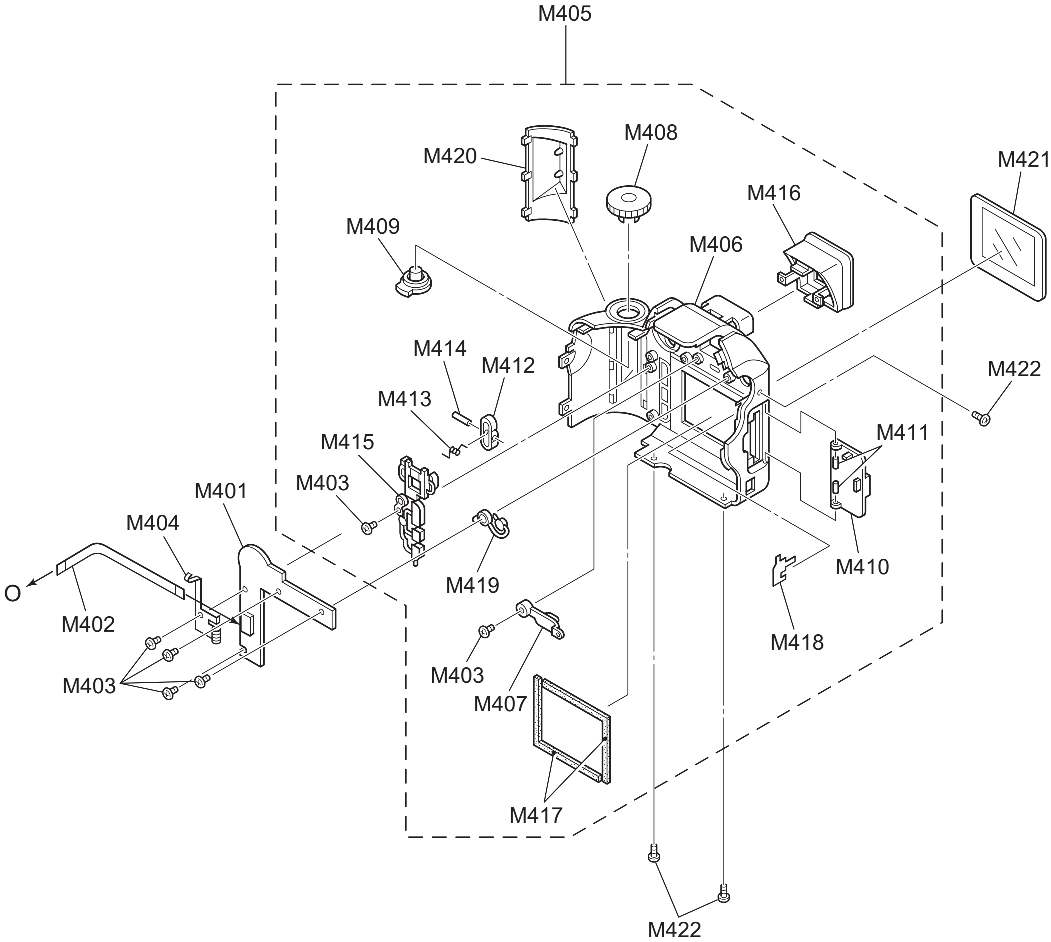
6-3.Inner block



Ref No.	Parts No.	Description	Comment
M301	BU02691-200	BATT. HOLDER ASSY	
M302	BB15057-100	STRAP SHAFT L	
M303	BB16911-100	STRAP BASE(L)	
M304	ATG1724-0ND	SCREW_BT_2P_M1.7*4.0_N_D	
M305	BB15055-100	BATTERY SHAFT	
M306	ATA1422-0NN	SCREW_2P_M1.4X2.0_N_N	
M307	BB15054-100	TERMINAL PSP	
M308	BB15051-200	BATTERY LID	
M309	FZ04948-100	FFC	
M310	CB1199-A300	RSW PWB ASSY	
M311	CB1199-A200	MSW PWB ASSY	
M312	FZ04947-100	FFC	
M313	BU02684-100	FINDER UNIT	
M314	FZ05560-100	LENS UNIT	
M315	BB10384-100	LPF MASK	
M316	FZ04921-100	OPTICAL LPF	
M317	BB17209-100	LPF RUBBER	
M318	BF04922-100	CCD PWB CONST	
M319	ATG1725-0ND	SCREW_BT_2P_M1.7*5.0_N_D	
M320	FZ04949-100	FFC	
M321	FLBZ120-100	FERRITE BEADS	
M322	FZ05597-100	EMI SHEET	
M323	BB16913-100	MAIN FRAME	
M324	CB1200-A101	VCON PWB ASSY	
M325	FZ05555-100	WIRE HARNESS	
M326	BB12489-100	SCREW M1.7 X 3.0C	
M327	BB15589-100	CCD EARTH PLATE	
M328	BB15590-100	EARTH PLATE SHEET	
M329	ATG1728-0ND	SCREW_BT_2P_M1.7*8.0_N_D	
M330	FZ05598-100	WIRE HARNESS	
M331	CB1197-A101	DCST PWB ASSY	
M332	BB13209-100	INSULATING TUBE	
M333	CB1196-A103	MAIN PWB ASSY	
M334	FZ05044-100	SHILED SHEET	
M335	BB15081-100	LCD FRAME	
M336	BF04128-100	LCD CONST	
☆M337	BF04843-100	LENS CONST	With CCD DATA

☆ Revised Jan, 13, 2004

6-4.Cabinet R block



Ref No.	Parts No.	Description	Comment
M401	CB1199-A101	KSW PWB ASSY	
M402	FZ05556-100	FFC	
M403	ATG1723-0ND	SCREW_BT_2P_M1.7X3.0_N_D	
M404	BB15432-100	EARTH PLATE	
M405	BU02661-200	CABI REAR ASSY	ABS
M406	BB15032-200	CABI REAR	ABS
M407	BB15033-100	LED GUIDE	
M408	BB15034-200	MODE DIAL	
M409	BB15035-100	MODE DIAL HOLDER	
M410	BB15036-200	CARD COVER	
M411	BB15037-100	CARD COVER SHAFT	
M412	BB15038-200	ZOOM KEY	
M413	BB15039-100	ZOOM TSP	
M414	BB15040-100	ZOOM SHAFT	
M415	BB15041-200	OPERATION BUTTON	
M416	BB15042-100	EYE PIECE	
M417	BB15043-100	LCD CUSHION	
M418	BB15044-100	BLIND SHEET	
M419	BB15045-200	LCD BUTTON	
M420	BB15046-100	GRIP PARTS R	
M421	BB15082-100	LCD COVER	
M422	BB12489-100	SCREW M1.7 X 3.0C	

6-5.Electrical parts

[Note]

The components indicated by mark ⚠ are critical for safty. When indicated parts by reference number,please include the board name.

*Due to standardization,replacement in the parts list may be different from the parts list specified in the circuit or the components used on the set.

KSW PWB ASSY CB1199-A101

Ref No.	Parts No.	Description	Comment
SW851	FZ02565-100	TACT SWITCH	
SW852	FZ02565-100	TACT SWITCH	
SW853	FZ02565-100	TACT SWITCH	
SW854	FZ04294-100	TACT SWITCH	
SW855	FZ02565-100	TACT SWITCH	
SW856	FZ04294-100	TACT SWITCH	
SW857	FZ04294-100	TACT SWITCH	
SW858	FZ02565-100	TACT SWITCH	
CN851	FGB046-0101	CONNECTOR	CJ 10P FN 0.5MM NH

MAIN PWB ASSY CB1196-A103

Ref No.	Parts No.	Description	Comment
SW200	FZ01045-100	DETECTOR SWITCH	
CN101	FGB103-0221	CONNECTOR	CJ 22P FN 0.5MM NH
CN200	FGY067-0201	CONNECTOR	CJ 20P B 1MM NN
CN201	FGC125-0501	CONNECTOR	CJ 50P BN 0.5MM PV
CN202	FZ03803-100	JACK_USB	USB
CN203	FGB061-0061	CONNECTOR	CJ 6P FN 0.5MM NV
CN301	FGB061-0201	CONNECTOR	CJ 20P FN 0.5MM NV
CN350	FGA096-0031	CONNECTOR	CJ 3P RN 1.0MM PH
CN401	FGB061-0221	CONNECTOR	CJ 22P FN 0.5MM NV
CN402	FGA096-0021	CONNECTOR	CJ 2P RN 1.0MM PH
CN451	FGB046-0301	CONNECTOR	CJ 30P FN 0.5MM NH
CN502	FGB061-0121	CONNECTOR	CJ 12P FN 0.5MM NV
CN800	FGB061-0101	CONNECTOR	CJ 10P FN 0.5MM NV
BZ200	FZ04744-100	BUZZER	

DCST PWB ASSY CB1197-A101

Ref No.	Parts No.	Description	Comment
⚠F601	FP00018-253	FUSE	2.5A 125V
⚠PS601	FP00039-253	FUSE	2.5A 32V
⚠PS602	FP00039-253	FUSE	2.5A 32V
⚠PS603	FP00039-153	FUSE	1.5A 32V
⚠PS604	FP00039-502	FUSE	500MA 32V
CN601	FGA113-0021	CONNECTOR	CJ 2P RN 1.5MM PH
CN602	FGC143-0501	CONNECTOR	CJ 50P BN 0.5MM RV
CN701	FGA058-0021	CONNECTOR	CJ 2P RN 1.25MM PN
CN702	FGA137-0042	CONNECTOR	LJ 4P RB 2.0MM PH
J601	FZ04171-100	JACK	
BT601	FZ04705-101	BATTERY	BackUp

VCON PWB ASSY CB1200-A101

Ref No.	Parts No.	Description	Comment
CN971	FGA096-0031	CONNECTOR	CJ 3P RN 1.0MM PH
J971	FZ04344-100	JACK_MINI	4P YELLOW

CCD PWB CONST BF04922-100

Ref No.	Parts No.	Description	Comment
CN171	FGB066-0221	CONNECTOR	CJ 22P FN 0.5MM NH

RSW PWB ASSY CB1199-A300

Ref No.	Parts No.	Description	Comment
SW952	FZ02629-100	TACT SWITCH	1CIRCUIT 2CONTACT
CN951	FGB113-0061	CONNECTOR	CJ 6P FN 0.5MM NH

MSW PWB ASSY CB1199-A200

Ref No.	Parts No.	Description	Comment
SW901	FZ04725-100	DETECTOR SWITCH	
SW902	FZ04725-100	DETECTOR SWITCH	
SW903	FZ04817-100	DETECTOR SWITCH	
SW904	FZ04817-100	DETECTOR SWITCH	
CN901	FGB113-0121	CONNECTOR	CJ 12P FN 0.5MM NH
CN902	FGB113-0061	CONNECTOR	CJ 6P FN 0.5MM NH

7.Appendix

7-1. Version display function

This function is not provided in FinePix S3000.

7-2.List of Related Technical Updates Issued

To ensure that after-sales srevice is performed accuratety, keep a record here of the technical updates issued that cover this device.

Technical Update No.	Date	Title	Details/Other

FUJI PHOTO FILM CO., LTD.
26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106-8620, Japan.